1905.

CITY & COUNTY OF KINGSTON UPON HULL.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH.

J. WRIGHT MASON, M.B., C.M., D.P.H., M.R.C.S.E.
MEDICAL OFFICER OF HEALTH.

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—
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Mr. Councillor T. C. TAYLOR.

The Mayor (Alderman LARARD, (*ex-officio*).

Ex-Mayor (Alderman JARMAN, (*ex-officio*).

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City and County of Kingston-upon-Hull.

To the Sanitary Committee.

Gentlemen,

I have the honour to submit to you my Annual Report for the year ending December 31st, 1905, comprising the Statistical Returns of the Deaths in the City, the measures adopted for the prevention of disease, and the work done in the Sanitary Department.

I am, Gentlemen,

Your obedient Servant,

J. WRIGHT MASON.

SUMMARY OF STATISTICS FOR 1905.

Area of City	9,202 Acres, divided into Nine Registration Districts and Sixteen Municipal Wards.
Population	258,127.
Density	28·0 Persons per acre.
Houses	59,164.
No. of persons per house	4·3
Marriages	2,111. Marriage Rate, 16·3
Births	7,705. Birth Rate, 29·8.
Deaths.....	4,152. Death Rate, 16·0.
Infantile Mortality	1,184 Deaths under one year, or 153 per 1000 Births.
Zymotic Death Rate	2·3 per 1000.
Diarrhœa Death Rate	1·31
Estimated increase of population	4,262, but the natural increase, *i.e.*, excess of Births over Deaths, was 3,553.
Rateable value, 1905-6.....	£1,152,807
Penny in the £ produced	£4,803

---

76 LARGE TOWNS.

Average Birth Rate.....	1905.....	28·2
Average Death Rate.....	do.....	15·7
Zymotic Death Rate	do.....	1·88
Infantile Mortality (per 1,000)..	do.....	140

City and County of Kingston upon Hull.

REPORT 1905.

STATISTICS.

Births.

During the twelve months ended 31st December, 1905, there were registered in the City and County of Kingston upon Hull, according to the returns furnished by the Registrars, 7705 Births and 4152 Deaths. Of the Births 3986 were males and 3719 females.

The Birth-rate was equal to 29·8 per 1000 of a population of 258,127 of all ages, the official estimated population to the middle of 1905, residing in 59,164 houses, this being an average of 4·3 persons to each house. The average Birth-rate for the seventy-six great towns was 28·2 per 1000.

The excess of Births over Deaths in 1905, representing the natural increase of the population, was 3553, against 3119 and 3635 in the years 1904 and 1903 respectively.

The average density of population per acre in 1905 was 28·0.

The annual rateable value of the City in 1905-1906 was £1,152,807.

Deaths.

The annual Death-rate from all causes for the year under notice was equal to 16·0 per 1000, namely :—

1st quarter.	2nd quarter.	3rd quarter.	4th quarter.
17·9	15·0	16·5	14·8

Of the Deaths, 2,165 were males and 1,987 females.

The Death-rate, according to the Registrar-General's returns for seventy-six of the largest towns in England and Wales, including London, averaged 15·7 per 1000 per annum, the lowest rate being 7·6 per 1000 in Hornsey and the highest 22·1 in Merthyr Tydfil.

The following table gives the annual Birth-rate and Death-rate, with the corresponding Zymotic death-rate for the years 1878 to 1905 :—

Year.	Births.	Deaths.	Population.	Birth-rate per 1,000.	Death-rate per 1,000.	Zymotic-rate per 1,000
1878	6004	3471	144,450	41	24	4
1879	5885	3311	147,940	38	22	2
1880	5650	3532	151,500	37	23	4
1881	5634	3677	155,160	36	23	6
1882	5761	3705	158,814	36	23	4
1883	6353	3970	176,296	36	22	2
1884	6803	3834	181,225	37	21	3
1885	6269	3221	186,292	33	17	1
1886	6387	3563	191,501	33	18	2
1887	6462	3718	196,855	32	18	2
1888	6230	3297	202,359	30	16	1
1889	6820	4157	208,017	32	19	2
1890	6612	4047	213,833	31	19	1
1891	6922	4133	200,934	34	20	1
1892	7103	3965	204,750	34	19	2
1893	7109	4503	208,639	34	21	4
1894	6854	3604	212,679	32	16	1
1895	7340	4445	216,722	33	20	3
1896	7011	4131	220,844	31	18	3
1897	7465	4089	225,045	33	18	2
1898	7696	4141	229,887	33	18	2
1899	7931	4412	234,270	33	18	3
1900	7820	4610	238,736	32	19	3
1901	7993	4417	241,622	33	18	3
1902	7789	4138	245,448	31	16	2
1903	7778	4143	249,639	31	16	2
1904	7832	4633	253,865	30	18	3
1905	7705	4152	258,127	29	16	2

Infantile Mortality.

The Infantile Mortality, measured by the proportion of deaths under one year of age to births registered, was 153 per 1000. For the seventy-six most populous towns in England and Wales, the proportion of deaths under one year to births registered, averaged 140 per 1000.

No. 1.—TABULATED RETURN, SHEWING THE TOTAL NUMBER OF DEATHS FOR THE YEAR 1905, AT CERTAIN AGES.

Districts.	Under One Year.	1 Year and Under 5.	5 Years and Under 15.	15 Years and Under 25.	25 Years and Under 65.	65 Years and Upwards.	Totals.
Drypool	197	68	39	27	179	129	639
Sutton	77	35	8	8	72	33	233
East Sculcoates	98	38	6	5	74	80	301
West Sculcoates	162	51	26	42	228	193	702
Humber	114	44	23	17	267	125	590
Myton	256	78	42	27	309	181	893
Newington	229	70	19	24	149	111	602
Newland	51	12	7	8	69	45	192
Marfleet	...	...	...	...	...	...	...
Totals	1184	396	170	158	1347	897	4152

II. CAUSES OF, AND AGES AT, DEATH IN LOCALITIES, &c.

Causes of Death.	Deaths in or Belonging to Whole District at Subjoined Ages.							Deaths in or Belonging to Localities (at all Ages).									Total Deaths in Public Institutions in the District.
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Drypool.	Sutton.	East Sculcoates.	West Sculcoates.	Humber.	Myton.	Newington.	Newland.	Marfleet.	
Small Pox	3	...	1	...	...	2	...	...	...	...	...	3	...	...	...	...	...
Measles	22	6	15	1	...	...	...	3	6	...	...	2	5	6	...	...	...
Scarlet Fever	26	2	10	12	...	2	...	6	2	1	4	2	7	2	2	...	15
Whooping Cough	121	69	49	3	...	...	...	17	16	13	14	16	20	21	4	...	1
Diphtheria and Membranous Croup	72	3	41	27	1	...	...	19	4	3	7	6	21	8	4	...	32
Croup	7	4	3	...	...	...	...	3	1	1	1	...	1	...	...	...	...
Fever: Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fever: Enteric	22	...	1	1	11	8	1	2	2	...	6	3	5	4	...	...	13
Fever: Other Continued	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza	38	1	1	2	4	20	10	5	2	3	8	6	7	6	1	...	5
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa	339	285	35	1	...	7	11	60	28	36	43	38	59	69	6	...	8
Enteritis	25	18	2	...	...	3	2	6	1	...	3	2	8	3	2	...	4
Puerperal Fever	4	...	...	...	...	4	...	1	...	...	...	1	...	2	...	...	1
Erysipelas	20	3	1	...	1	13	2	2	...	...	5	4	5	4	...	...	3
Other Septic Diseases	23	1	1	1	1	13	6	2	...	3	4	4	5	3	2	...	8
Phthisis	251	5	6	13	52	171	4	32	10	16	55	49	46	32	11	...	46
Other Tubercular Diseases	92	13	21	18	8	30	2	16	5	7	14	18	21	9	2	...	29
Cancer, Malignant Disease	205	...	...	1	1	137	66	27	12	8	42	24	45	34	13	...	52
Bronchitis	344	90	28	2	3	91	130	54	15	32	59	61	69	44	10	...	39
Pneumonia	267	84	63	12	10	68	30	44	28	14	29	27	66	40	19	...	25
Pleurisy	8	1	1	...	...	3	3	1	...	1	4	...	2	...	...	...	1
Other Diseases of Respiratory Organs	88	37	16	2	2	19	12	8	...	8	11	15	20	20	6	...	6
Alcoholism / Cirrhosis of Liver	30	...	...	...	...	26	4	3	...	2	6	5	10	2	2	...	3
Venereal Diseases	9	8	...	...	...	1	...	1	...	1	4	...	1	1	1	...	6
Premature Birth	130	130	...	...	...	...	...	18	4	5	22	7	34	36	4	...	5
Diseases and Accidents of Parturition	29	...	...	...	5	24	...	6	1	1	5	5	4	6	1	...	1
Heart Diseases	423	8	3	12	13	266	121	61	22	30	82	77	92	38	21	...	82
Accidents	118	26	13	9	12	45	13	22	7	8	15	24	22	15	5	...	52
Suicides	27	...	...	...	1	24	2	3	1	2	2	4	9	6	...	...	8
Kidneys and Diseases of Urin. Sys.	100	1	...	4	3	66	26	10	6	6	22	17	23	8	8	...	19
Apoplexy	44	...	...	...	1	16	27	12	4	3	8	6	4	2	5	...	6
Paralysis and Brain Disease	265	3	8	7	8	143	96	29	16	16	54	45	67	23	15	...	79
Old Age	301	...	...	...	...	8	293	53	8	28	66	38	58	40	10	...	91
Inanition, Debility, Marasmus	235	216	15	1	...	2	1	40	10	23	38	22	45	40	17	...	25
Convulsions	132	106	26	...	...	...	...	23	7	12	23	6	28	29	4	...	3
Meningitis	62	22	22	12	...	6	...	8	4	4	1	17	13	14	1	...	12
Found Drowned	18	...	...	2	3	12	1	7	1	2	...	7	...	1	...	...	1
All Other Causes	252	42	14	27	18	117	34	35	10	12	45	29	71	34	16	...	78
All Causes	4152	1184	396	170	158	1347	897	639	233	301	702	590	893	602	192	...	759

TABLE 3.—INFANTILE MORTALITY DURING THE YEAR 1905.

Deaths from stated Causes in Weeks and Months under One Year of Age.

	CAUSE OF DEATH.	Under 1 Week.	1–2 Weeks.	2–3 Weeks.	3–4 Weeks.	Total under 1 Month.	1–2 Months.	2–3 Months.	3–4 Months.	4–5 Months.	5–6 Months.	6–7 Months.	7–8 Months.	8–9 Months.	9–10 Months.	10–11 Months.	11–12 Months.	Total Deaths under One Year.
All Causes.	Certified	186	49	51	38	324	...	120	86	94	76	71	57	...	...	56	40	1166
	Uncertified	9	...	...	...	9	..	1	3	...	1	1	2	...	...	1	...	18
Common Infectious Diseases.	Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chicken-pox	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...
	Measles	...	...	.	...	...	...	...	1	...	...	...	1	1	...	...	3	6
	Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	2
	Diphtheria : Croup	...	...	...	1	1	...	1	...	2	1	...	...	1	...	1	..	7
	Whooping Cough	...	...	...	2	2	4	5	3	6	10	4.	6	6	11	8	4	69
Diarrhœal Diseases.	Diarrhœa. all forms	...	2	3	5	10	27	37	31	42	26	23	27	23	12	14	13	285
	Enteritis (*not Tuberculous*)	1	...	...	...	1	...	2	2	2	1	4	2	2	2	...	...	18
	Gastritis, Gastro-intestinal Catarrh ...	...	1	2	2	5	1	1	1	3	...	1	...	1	1	...	...	14
Wasting Diseases.	Premature Birth...	104	5	4	8	121	4	4	1	...	...	..	...	...	...	...	...	130
	Congenial Defects	6	2	...	...	8	7	...	...	1	...	...	1	...	...	...	...	17
	Injury at Birth	...	...	...	...	...	...	...	...	...	...	...	...	...	....	...	...	...
	Want of Breast-milk	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Atrophy, Debility, Marasmus	32	18	19	6	75	30	27	21	7	9	7	3	3	4	4	1	191
Tuberculous Diseases	Tuberculous Meningitis	...	...	...	...	...	...	...	2	2	1	...	...	1	1	...	1	8
	Tuberculous Peritonitis: Tabes Mesenterica	...	...	...	...	...	3	...	...	...	...	...	1	...	...	...	...	4
	Other Tuberculous Diseases	...	...	...	1	1	3	1	2	2	1	1	...	2	1	...	2	16
	Erysipelas	...	...	...	1	1	...	2	...	...	...	...	...	...	...	...	...	3
	Syphilis	...	1	1	1	3	2	1	...	1	1	...	...	...	...	...	...	8
	Rickets	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2
	Meningitis (*not Tuberculous*)	...	...	...	...	...	...	1	4	...	1	5	1	...	...	2	1	15
	Convulsions	18	9	11	4	42	9	10	4	3	3	8	6	9	2	6	4	106
	Bronchitis	2	1	3	3	9	12	7	5	7	10	10	5	6	6	10	3	90
	Laryngitis	...	...	...	...	...	...	...	...	1	...	1	2	2	...	...	...	6
	Pneumonia	...	...	2	1	3	8	15	6	11	7	5	4	6	4	9	6	84
	Suffocation, overlaying...	6	1	4	1	12	8	2	1	...	1	...	...	...	...	1	...	25
	Other Causes	26	9	2	2	39	8	5	5	4	5	3	...	4	3	1	1	78
		195	49	51	38	333	126	121	89	94	77	72	59	68	48	57	40	1184

TABLE No. 4.—VITAL STATISTICS OF WHOLE DISTRICT DURING 1905 AND PREVIOUS YEARS.

Year.	Population estimated to Middle of each Year.	Births.		Total Deaths Registered in the District.				Total Deaths in Public Institutions in the District.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	Nett Deaths at all Ages belonging to the District.	
				Under 1 Year of Age.		At all Ages.						
		Number.	Rate.*	Number.	Rate per 1000 Births registered.	Number.	Rate.*				Number.	Rate.*
1895	216,722	7340	33·8	1516	206	4445	20·4	473	12	49	4482	20·6
1896	220,844	7011	31·7	1272	181	4131	18·6	460	9	48	4170	18·8
1897	225,045	7465	33·1	1419	190	4089	18·1	487	13	69	4145	18·4
1898	229,887	7696	33·4	1467	190	4141	18·0	523	21	50	4170	18·1
1899	234,270	7931	33·8	1404	177	4412	18·8	610	35	63	4440	18·9
1900	238,736	7820	32·7	1436	183	4610	19·2	586	41	66	4635	19·3
1901	241,622	7993	33·1	1409	180	4392	18·2	500	43	68	4417	18·3
1902	245,448	7789	31·7	1081	138	4107	16·7	666	52	83	4138	16·8
1903	249,639	7778	31·2	1274	163	4152	16·6	630	74	65	4143	16·6
1904	253,865	7832	30·8	1416	181	4624	18·2	719	72	81	4633	18·2
Averages for years 1895-1904.	235,607	7665	32·5	1369	178	4310	18·2	565	37	64	4337	18·4
1905	258,127	7705	29·8	1189	153	4140	16·0	759	67	79	4152	16·0

* Rates calculated per 1,000 of estimated population.

TABLE No. 5.—VITAL STATISTICS OF SEPARATE LOCALITIES IN 1905 AND PREVIOUS YEARS.

Names of Localities.	City Total.				Drypool.				Sutton.				East Sculcoates.				West Sculcoates.			
Year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year
1895	216,722	7340	4445	1516	33,713	1158	663	250	14,381	594	299	119	14,302	532	319	110	43,864	1278	871	311
1896	220,844	7011	4131	1272	34,452	1186	614	203	14,893	545	268	106	14,591	506	292	105	44,395	1158	670	172
1897	225,045	7465	4089	1419	34,918	1351	619	255	15,296	575	267	126	14,857	541	287	109	45,231	1238	694	197
1898	229,887	7696	4141	1467	35,548	1408	561	213	15,566	597	273	115	15,127	532	321	125	46,041	1183	726	210
1899	234,270	7931	4412	1404	36,351	1465	675	238	15,905	579	287	129	15,429	550	327	125	46,715	1169	673	169
1900	238,736	7820	4610	1436	37,279	1423	759	282	16,284	526	266	106	15,742	533	306	103	47,378	1178	757	206
1901	241,622	7993	4417	1409	41,102	1425	723	268	13,716	537	271	114	15,576	526	374	121	41,344	1097	695	172
1902	245,448	7789	4138	1077	41,903	1425	669	198	14,103	497	237	75	15,879	573	345	86	41,785	1114	638	135
1903	249,639	7778	4143	1268	42,739	1458	675	230	14,408	518	262	78	16,142	506	317	116	42,311	1067	652	184
1904	253,865	7832	4633	1421	43,607	1419	782	262	14,748	513	276	107	16,381	505	372	95	42,784	1089	721	196
Averages of Years 1895 to 1904.	236,607	7665	4315	1368	38,161	1371	674	239	14,930	548	270	107	15,402	530	326	109	44,183	1159	709	195
1905	258,127	7705	4152	1184	44,394	1459	639	197	15,154	456	233	77	16,609	497	301	98	43,242	1100	702	162

TABLE No. 5 Continued.—VITAL STATISTICS OF SEPARATE LOCALITIES IN 1905 AND PREVIOUS YEARS.

Names of Localities.	Humber.				Myton.				Newington.				Newland.				Marfleet.			
Year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year	Births registered	Death at all ages	Deaths under 1 year
1895	8,801	218	179	55	73,086	2442	1645	474	21,266	864	375	157	7032	245	90	39	277	9	4	1
1896	8,840	211	183	48	74,071	2307	1625	449	22,037	868	390	156	7283	223	82	31	282	7	7	2
1897	8,911	262	142	26	75,497	2312	1576	500	22,551	957	407	177	7496	219	93	27	288	10	4	2
1898	39,061	926	786	206	46,859	1754	943	354	23,047	1027	424	209	8345	262	100	33	293	7	7	2
1899	39,588	932	831	181	47,858	1806	1010	327	23,632	1128	486	201	8495	292	117	32	297	10	6	2
1900	39,786	880	843	184	48,784	1755	1011	312	24,449	1203	517	201	8735	311	140	40	299	11	11	2
1901	30,773	849	709	160	52,141	816	902	307	33,226	1320	581	222	13,371	408	156	42	373	9	6	3
1902	30,649	757	672	137	52,785	1695	881	231	34,197	1289	529	177	13,771	431	162	37	376	8	5	1
1903	30,734	716	616	129	53,759	1670	861	255	35,057	1403	557	230	14,110	447	200	44	379	13	3	2
1904	30,836	715	637	141	54,633	1677	965	319	36,033	1367	658	244	14,454	541	214	55	389	6	8	...
Averages of Years 1895 to 1904.	26,797	646	559	126	57,947	1823	1141	352	27,549	1142	492	197	10,319	337	135	38	325	9	6	2
1905	30,936	665	590	114	55,472	1622	893	256	36,947	1383	602	229	14,981	516	192	51	392	7	...	...

In November, 1897, Humber Sub-District was divided and part included in Myton District.

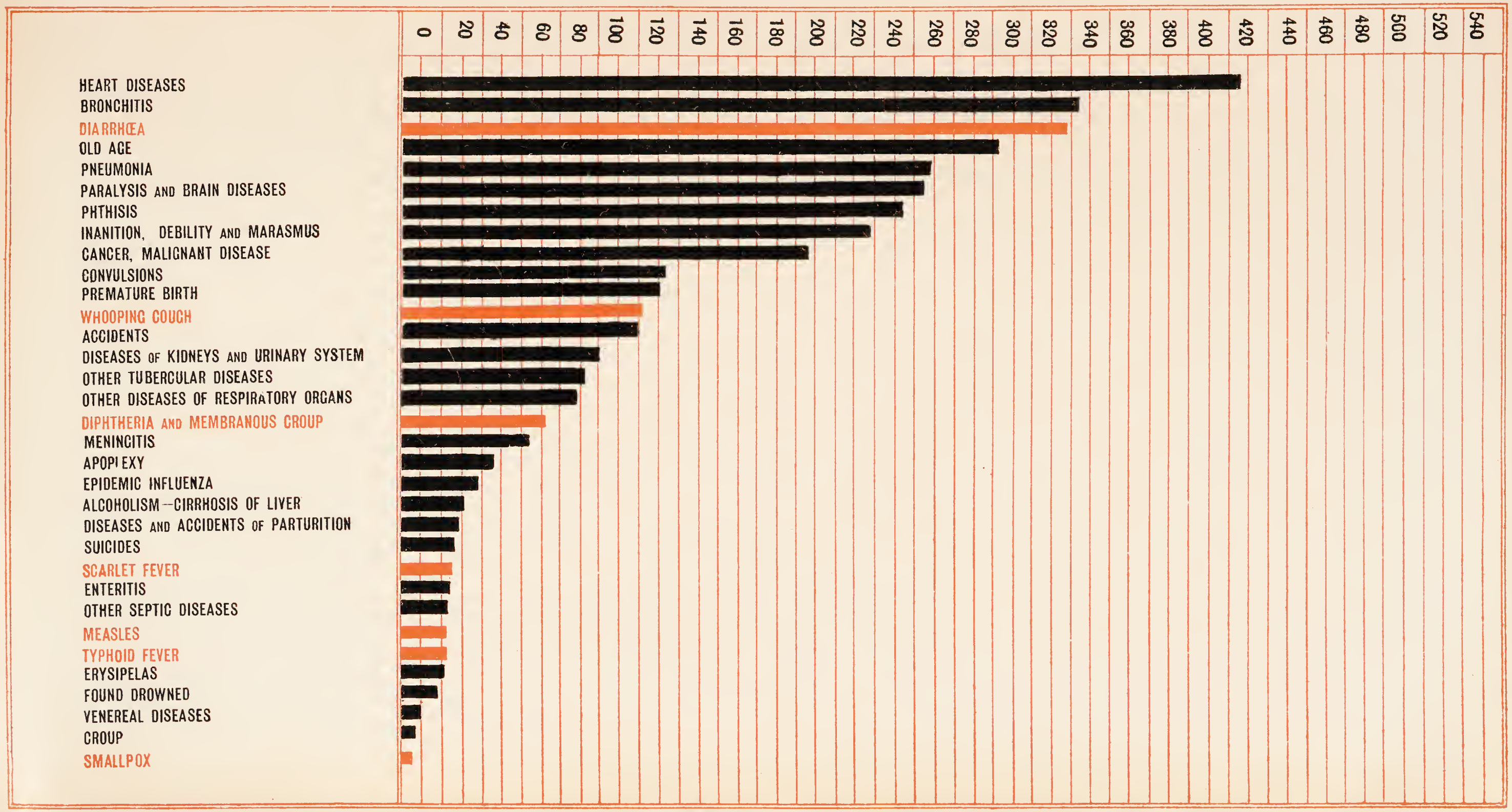
TABLE No. 6.—CASES OF INFECTIOUS DISEASE IN AGE PERIODS AND IN THE RESPECTIVE REGISTRATION SUB-DISTRICTS NOTIFIED, ALSO THE NUMBER OF SUCH CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.									No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.									
	At all Ages.	At Ages—Years.																								
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	Drypool.	Sutton.	East Sculcoates.	West Sculcoates.	Humber.	Myton.	Newington.	Newland.	Marfleet.	Drypool.	Sutton.	East Sculcoates.	West Sculcoates.	Humber.	Myton.	Newington.	Newland.	Outside City Boundary; also from Ships, &c.	Total Admissions.
Measles	541	49	405	87	...	...	...	87	21	8	17	71	157	161	19	...	...	...	...	...	1	...	...	...	2	3
Small Pox	45	...	3	11	11	20	...	...	...	...	3	37	3	2	...	...	...	...	...	3	37	3	2	...	2	47
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	700	7	178	363	109	42	1	197	30	24	59	58	191	106	35	...	36	10	11	33	26	59	23	10	16	224
Membranous Croup	8	...	8	...	...	...	...	6	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	316	14	16	32	40	196	18	77	20	20	53	31	65	38	12	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	675	10	187	413	43	22	...	84	40	18	150	55	153	117	58	...	38	20	12	92	36	64	42	22	5	331
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	128	...	5	32	39	51	1	35	9	2	14	17	32	17	1	1	25	3	1	4	7	10	3	...	9	62
Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever	4	...	...	4	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	27	...	...	...	6	21	...	6	...	1	3	6	7	4	...	...	...	...	...	...	...	...	...	...	...	...
Beri Beri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Isolation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	1	1	11	71	6	2	...	22	122
TOTALS	2444	80	802	942	248	352	20	496	121	73	299	276	608	445	125	1	107	34	25	143	178	142	72	32	56	789

principal causes of DEATH during the year 1905.

Deaths from Zymotic Diseases

Deaths from other Diseases



No. 7.—TABLE SHEWING BIRTHS, DEATHS, AND METEOROLOGICAL CONDITIONS, 1905.

1905. FOUR WEEKS ENDED	TEMPERATURE. Mean	Highest	Lowest	Rainfall in inches	Mean humidity, saturation 100	Births	Birth-rate	DEATHS. All Causes	Under one year	Over one year and under five years	Over 25 years	DEATHS FROM ZYMOTIC DISEASES. Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Deaths from Diarrhœa	DEATH RATE PER 1000. Zymotic	Diarrhœa	All causes
	°	°	°																		
January 24...	43	54	34	1·52	83·8	645	32·5	413	89	42	265	1	7	1	4	19	1	1	1·7	0·0	20·8
February 25...	46	55	35	0·61	83·0	617	31·0	343	92	34	188	1	1	2	7	18	3	3	1·7	0·1	17·2
March 25...	49·8	58	43	1·95	83·0	628	31·6	341	68	40	202	1	...	1	7	15	1	3	1·4	0·1	17·1
April 22...	51·0	58	39	2·05	79·6	578	29·1	312	79	39	168	...	1	6	3	13	...	4	1·3	0·2	15·7
May 20...	57·0	69	49	1·59	69·0	653	32·9	302	83	34	156	...	6	2	4	10	...	2	1·2	0·1	15·2
June 17...	63·9	79	49	0·57	69·0	616	31·3	277	60	36	154	...	2	2	5	14	3	4	1·5	0·2	13·9
July 15...	72·8	85	58	1·83	71·0	588	29·6	242	60	17	144	...	1	3	...	6	2	5	0·8	0·2	12·1
August 12...	69·9	79	62	2·47	71·6	589	29·6	339	150	24	139	...	1	2	3	2	2	104	5·7	5·2	17·0
September 9...	66·0	74	60	2·97	79·8	626	31·5	398	194	29	142	...	...	1	...	6	4	161	8·6	8·1	20·4
October 7...	59·0	69	51	0·73	78·0	542	27·3	295	96	28	147	...	...	1	2	...	2	41	2·3	2·0	14·8
November 4...	51·0	63	46	2·06	83·0	593	29·8	282	62	23	168	...	...	1	10	2	2	7	1·1	0·3	14·2
December 2...	44·8	52	31	2·43	87·7	496	24·9	276	60	21	171	...	...	1	9	...	1	1	1·0	0·3	13·8
December 30...	45·0	53	40	0·41	88·0	534	26·9	319	76	39	182	...	...	1	17	3	1	1	1·1	0·0	16·0

No. 8.—MORTALITY IN TWENTY LARGE TOWNS, 1888-1905.

Cities and Boroughs.	Annual Death-rate per 1000 living (in years of 52 or 53 weeks).																	
	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905
London	18·5	17·4	20·3	21·4	20·6	21·3	17·8	19·8	18·6	18·2	18·7	19·8	18·8	17·6	17·7	15·7	16·6	15·6
Liverpool	20·3	21·6	23·6	27·4	24·7	27·3	23·8	28·8	22·7	24·4	24·0	26·4	25·7	22·3	22·5	20·5	22·6	19·6
Manchester	26·1	26·7	30·6	26·5	23·8	24·9	20·4	25·2	22·6	23·1	21·9	24·6	24·1	22·1	20·0	19·7	21·3	18·0
Birmingham	17·8	18·7	20·7	22·2	20·4	22·0	18·6	20·3	20·8	21·6	20·0	20·8	21·5	20·5	18·6	17·8	19·9	16·2
Leeds	20·6	22·1	22·6	22·9	19·8	22·3	17·9	20·5	18·8	19·9	19·2	19·1	20·0	19·3	17·6	16·6	18·0	15·2
Sheffield	20·5	20·9	24·9	23·9	20·8	22·3	17·8	20·5	19·3	21·2	20·2	22·2	22·6	20·4	17·1	18·6	16·8	17·0
Bristol	16·9	17·6	19·2	20·9	19·5	18·9	17·3	18·1	16·9	17·2	17·2	18·2	16·7	16·0	17·4	14·3	15·6	14·6
*West Ham	...	...	...	...	18·6	18·9	16·2	17·9	18·6	15·7	15·4	16·7	15·9	17·9	17·1	15·3	16·5	14·8
Bradford	17·1	19·2	20·4	22·2	18·0	21·0	17·0	19·9	16·5	17·4	17·6	18·4	16·4	16·8	15·8	16·4	17·6	15·2
Hull	**16·4**	**20·3**	**19·2**	**21·0**	**19·6**	**21·8**	**17·4**	**20·8**	**18·9**	**18·6**	**18·4**	**19·3**	**19·7**	**18·6**	**17·2**	**16·9**	**18·6**	**16·3**
Nottingham	17·3	17·0	16·5	19·9	18·7	18·5	17·2	19·0	17·5	18·8	17·7	20·0	19·1	18·5	16·7	16·9	17·7	16·5
Salford	21·1	20·5	22·4	26·0	24·6	24·1	21·0	25·6	22·6	23·9	22·7	23·8	25·1	21·7	19·3	19·0	21·2	16·9
Newcastle	20·6	25·2	25·9	23·8	19·7	21·0	18·3	20·5	18·5	19·1	21·4	20·6	19·5	21·9	19·9	19·2	19·4	16·8
Leicester	18·3	16·9	17·9	21·7	18·2	20·0	14·7	17·2	16·7	17·7	16·9	17·7	17·4	15·9	14·9	14·2	14·5	13·3
Portsmouth	18·8	18·1	19·6	19·0	18·5	18·2	15·2	17·8	16·6	16·2	16·3	19·7	17·3	17·9	16·8	14·7	16·9	16·6
Cardiff	20·5	19·5	20·8	22·1	18·8	19·7	16·2	18·2	16·8	14·9	14·8	15·4	13·8	15·8	16·8	14·0	14·8	13·4
*Bolton	...	...	...	...	...	...	...	...	...	...	...	19·9	19·5	18·2	16·9	17·5	16·9	15·1
Sunderland	18·1	22·9	22·7	25·0	20·9	22·5	20·8	21·8	19·8	19·7	22·6	21·5	21·4	21·4	19·5	19·9	19·5	18·6
Oldham	20·3	20·4	21·2	25·7	22·0	21·0	18·6	22·0	20·3	19·2	17·6	20·5	19·6	19·6	19·1	18·6	18·2	18·0
Blackburn	23·9	25·5	23·5	25·8	21·7	23·3	17·9	24·3	17·9	19·5	18·4	19·1	20·5	19·5	16·9	15·7	16·9	16·2

*Note—These towns were not included in previous years.

No. 9.—TABLE SHEWING THE BIRTH-RATE, DEATH-RATE, ZYMOTIC AND INFANTILE MORTALITY, AND THE DISTRICTS IN WHICH THEY HAVE OCCURRED, 1905.

DISTRICT.	Estimated Population.	Area in acres.	Persons to an acre.	Birth-rate per 1000.	Death-rate from all causes per 1000.	Zymotic Death-rate per 1000.	Rate per 1000 of Deaths from all causes under 1 year.	Rate per 1000 of Deaths from all causes over 1 year and under 5 years.
Drypool	44394	1752	25·3	33·1	14·5	2·4	4·4	1·5
Sutton	15154	887	17·0	30·4	15·5	3·8	5·1	2·3
East Sculcoates .	16609	284	58·4	31·0	18·8	3·3	6·1	2·3
West Sculcoates.	43242	493	87·7	25·5	16·3	1·7	3·7	1·1
Humber	30936	409	75·6	21·4	19·0	2·2	3·6	1·4
Myton	55472	722	76·8	29·5	16·2	2·1	4·6	1·4
Newington	36947	1498	24·6	37·3	16·2	2·9	6·1	1·8
Newland	14981	1872	8·0	34·4	12·8	1·0	3·4	0·8
Marfleet	392	1285	...	...	...	...	...	...
City Total.....	258127	9202	28·0	29·8	16·0	2·3	4·5	1·5

Marriages.

During the year 1905 the number of marriages registered in the City was 2,111, as against 2,052 in 1904, and 2,099 in 1903. The marriages were distributed over the four quarters of the year as follows :—First quarter, 409 ; second quarter, 571 ; third quarter, 539 ; fourth quarter, 592.

The marriage-rate, *i.e.*, persons married to 1000 inhabitants, was 16·3 in 1905, as against 16·1 in 1904, 16·8 in 1903, and 17·4 in 1902.

The marriage-rate in England and Wales was 15·3 per 1000, compared with 15·2 in 1904, 15·6 in 1903, and 15·9 in 1902.

The following table shews the number of marriages that have taken place in Hull during the undermentioned years.

Year.	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905
No. of Marriages...	1636	1845	1841	1977	2202	2160	2060	2107	2094	2132	2099	2052	2111

Chief Epidemic Diseases.

Six hundred and five deaths have been recorded from the seven principal Zymotic diseases, a mortality at the rate of 2·34 per 1000 of the population, and distributed over the four quarters of the year as follows :—First quarter, 100 ; second quarter, 86 ; third quarter, 335 ; and fourth quarter, 84 respectively.

The death-rate from these diseases during the year 1905 in the seventy-six great towns, including London, averaged 1·88 of their estimated population. The average number of deaths from the seven principal Zymotic diseases for the past 20 years was 581. The highest aggregate death-rates from the seven principal Zymotic diseases above enumerated were 3·20 in Sheffield, 3·21 in West Bromwich, and 4·04 in Merthyr Tydfil.

The following table shews the deaths per 1000 from the seven principal Zymotic diseases for the years 1878 to 1905 :—

Year.	Seven Zymotic Diseases.	Small Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Fevers.	Diarrhœa
1878	4·13	0·01	0·03	0·14	0·04	0·40	0·65	2·87
1879	2·33	—	0·26	0·53	0·10	0·61	0·36	0·47
1880	4·80	—	1·34	0·40	0·03	0·95	0·31	1·75
1881	6·12	0·02	0·05	4·48	0.03	0·24	0·39	0·90
1882	4·59	0·10	0·52	1·66	0·05	0·18	0·37	1·68
1883	2·91	0·03	0·04	0·44	0·12	1·28	0·36	0·68
1884	3·53	0·09	0·47	0·29	0·14	0·34	0·40	1·82
1885	1·06	0·05	0·08	0·20	0·03	0·16	0·20	0·31
1886	2·33	—	0·14	0·24	0·02	0·40	0·14	1·37
1887	2·70	0·01	0·62	0.34	0·05	0·41	0·14	1·10
1888	1·16	0·09	0·01	0.18	0·04	0·21	0·16	0·42
1889	2·80	—	0·91	0·06	0·04	0·55	0·21	1·02
1890	1·61	0·01	0·07	0·11	0·07	0·32	0.17	0·85
1891	1·45	—	0·35	0·09	0·05	0·15	0·18	0·60
1892	2·43	—	0·70	0·11	0·04	0·54	0·15	0·85
1893	4·01	0·04	0·59	0·15	0·09	0·36	0·45	2·27
1894	1·57	0·01	0·42	0·17	0·08	0·37	0·15	0·33
1895	3·21	—	0·07	0·17	0·11	0·20	0·22	2·41
1896	3·20	—	1·15	0·24	0·17	0·47	0·27	0·86
1897	2·96	—	0·09	0·27	0·08	0·25	0·23	2·00
1898	2·63	—	0·34	0·11	0·04	0·29	0·24	1·58
1899	3·38	0·61	0·47	0·17	0·09	0·56	0·18	1·26
1900	3·02	0·07	0·54	0·17	0·06	0·28	0·20	1·69
1901	3·02	—	0·48	0·06	0·15	0·38	0·22	1·70
1902	2·19	—	0·75	0·06	0 34	0·42	0·18	0·41
1903	2·22	0·02	0·46	0 02	0·30	0·09	0·06	1·23
1904	3·45	0·01	0·70	0·04	0·24	0·24	0·14	2·05
1905	2·34	0·01	0·08	0·10	0·27	0·46	0·08	1·31

NOTE.—In this Table when no Deaths occurred — is inserted.

No. 10.—TABLE SHEWING THE DEATHS FROM THE PRINCIPAL ZYMOTIC DISEASES IN THE TWENTY YEARS, 1886 TO 1905.

DISEASE.	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	Proportion of deaths to 1,000 deaths in 1904.	1905	Proportion of deaths to 1,000 deaths in 1905.
Cholera	...	...	...	..	...	...	2	12	...	...	...	...	...	...	...	...	...	...	...	.....	...	.....
,, (English)	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	.....	...	.....
Small Pox	...	2	19	...	3	...	...	9	3	...	...	1	...	144	17	...	...	6	4	0·8	3	0·9
Measles	28	123	4	191	15	71	145	126	91	17	256	22	79	112	130	117	186	117	178	38·4	22	5·3
Scarlatina	47	67	38	13	25	19	24	33	37	38	54	62	27	42	42	16	17	7	12	2·5	26	6·2
Diphtheria	4	11	10	10	16	12	10	20	19	25	39	19	10	23	15	38	85	75	61	13·1	72	17·3
Whooping Cough	78	82	44	115	70	32	111	77	79	44	106	57	67	132	68	93	104	23	62	13·3	121	29·1
Fevers	27	29	34	44	35	37	31	96	34	49	61	53	57	43	48	55	45	17	37	7·9	22	5·3
Diarrhœa	262	217	86	213	183	122	176	474	72	524	191	451	365	295	404	411	101	308	523	112·8	339	81·6
Totals ...	446	531	235	586	347	293	499	847	335	697	707	666	605	791	724	730	538	553	877	189·2	605	145·7

No. 11.—TABLE SHEWING THE TOTAL NUMBER OF DEATHS AND THE DEATH RATE IN EACH DISTRICT DURING EACH QUARTER OF THE YEAR, also the Total Number of Deaths and the Death Rates in the City.

DISTRICTS.	1st QUARTER.		2nd QUARTER.		3rd QUARTER.		4th QUARTER.		Total No. of Deaths.	Death Rate per 1000.
	No. of Deaths.	Death Rate per 1000 per annum	No. of Deaths.	Death Rate per 1000 per annum	No. of Deaths.	Death Rate per 1000 per annum	No. of Deaths.	Death Rate per 1000 per annum		
Drypool	177	16·0	142	12·9	171	15·5	149	13·5	639	14·5
Sutton.....	69	18·4	52	13·8	65	17·3	47	12·6	233	15·5
East Sculcoates.....	94	23·5	70	17·5	79	19·7	58	14·5	301	18·8
West Sculcoates ...	194	18·0	170	15·8	178	16·5	160	14·8	702	16·3
Humber	175	22·5	129	16·6	159	20·5	127	16·3	590	19·0
Myton	236	17·1	230	16·7	214	15·5	213	15·4	893	16·2
Newington	153	16·5	137	14·8	154	16·6	158	17·0	602	16·2
Newland.....	58	15·4	43	11·4	45	12·0	46	12·2	192	12·8
Marfleet	...	...	...	...	...	...	...	...	...	...
City total.....	1156	17·9	973	15·0	1065	16·5	958	14·8	4152	16·0

No. 12.—BIRTH RATE, DEATH RATE, AND ANALYSES OF THE ZYMOTIC DEATH RATES IN TWENTY LARGE TOWNS.

CITIES AND BOROUGHS.	Population.	ANNUAL RATE PER 1000 LIVING.																				
		Births in 52 weeks ended 31st Dec., 1905.	Total Deaths 52 or 53 Weeks ended				Deaths from									Deaths under 1 year to 1000 Births.	Annual Rate of Mortality per 1000 living.		Percentage to total deaths.		
			3rd Jan., 1903.	2nd Jan., 1904.	31st Dec., 1904.	30th Dec., 1905.	Principal Epidemic Diseases	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers.	Diarrhœa.	Violence.		Aged 1 to 60 years.	Aged 60 years and upwards.	Inquest cases.	Deaths in Public Institutions.	Uncertified causes of death.
London	4,684,794	27·1	17·7	15·7	16·6	15·6	1·71	0·00	0·37	0·12	0·12	0·32	0·05	0·73	0·65	131	8·3	68·0	9·9	37·5	0·2
Liverpool	730,143	33·3	22·5	20·5	22·6	19·6	2·59	—	0·32	0·41	0·21	0·20	0·10	1·35	0·72	153	10·9	78·2	6·4	29·9	3·4
Manchester ...	631,185	29·5	20·0	19·7	21·3	18·0	2·25	—	0·37	0·13	0·20	0·31	0·09	1·15	0·73	157	9·9	79·3	6·7	23·2	1·7
Birmingham ...	542,959	29·3	18·6	17·8	19·9	16·2	1·90	—	0·44	0·10	0·17	0·29	0·07	0·83	0·60	154	8·3	70·4	5·2	22·3	3·5
Leeds	456,787	27·1	17·6	16·6	18·0	15·2	1·61	0·01	0·24	0·09	0·10	0·26	0·12	0·79	0·55	151	7·6	73·4	9·1	15·0	0·2
Sheffield	440,414	29·8	17·1	18·6	16·8	17·0	3·20	—	0·94	0·22	0·13	0·29	0·10	1·52	0·54	167	8·9	72·2	5·2	17·6	2·3
Bristol	358,515	27·0	17·4	14·3	15·6	14·6	1·50	—	0·50	0·11	0·16	0·34	0·03	0·36	0·53	122	7·4	63·7	8·8	21·4	0·3
West Ham	294,997	30·7	17·1	15·3	16·5	14·8	2·98	—	0·35	0·12	0·26	0·56	0·10	1·59	0·57	153	7·4	70·0	7·7	20·3	0·0
Bradford	288,544	21·1	15·8	16·4	17·6	15·2	1·42	0·02	0·04	0·16	0·28	0·34	0·08	0·50	0·56	144	8·1	71·9	7·1	18·0	1·1
Hull	**262,426**	**30·1**	**17·2**	**16·9**	**18·6**	**16·3**	**2·37**	**0·01**	**0·09**	**0·09**	**0·30**	**0·50**	**0·10**	**1·28**	**0·66**	**152**	**8·0**	**70·1**	**7·9**	**18·5**	**1·0**
Nottingham ...	254,563	26·5	16·7	16·9	17·7	16·5	2·27	0·00	0·92	0·07	0·19	0·24	0·09	0·76	0·70	155	8·2	71·7	6·9	18·2	0·8
Salford	234,077	30·7	19·3	19·0	21·2	16·9	2·57	—	0·32	0·29	0·36	0·20	0·19	1·21	0·57	148	9·3	74·2	7·1	23·2	0·4
Newcastle	268,721	32·1	19·9	19·2	19·4	16·8	1·33	0·01	0·13	0·05	0·19	0·33	0·04	0·58	0·78	135	9·2	74·7	8·9	15·0	0·6
Leicester ...	232,111	25·9	14·9	14·2	14·5	13·3	1·62	—	0·23	0·15	0·05	0·22	0·04	0·93	0·43	148	6·2	62·1	6·2	17·0	1·3
Portsmouth ...	205,118	28·0	16·8	14·7	16·9	16·6	2·64	—	1·08	0·05	0·34	0·22	0·09	0·86	0·59	133	8·7	67·5	7·8	18·1	1·4
Cardiff	183,823	28·6	16·8	14·0	14·8	13·4	1·14	—	0·44	0·02	0·13	0·19	0·04	0·32	0·75	118	7·2	66·8	10·6	14·5	0·2
Bolton	180,502	25·0	16·9	17·5	16·9	15·1	1·94	—	0·53	0·02	0·10	0·05	0·19	1·05	0·39	167	7·7	72·7	7·2	12·0	0·4
Sunderland ...	154,385	34·4	19·5	19·9	19·5	18·6	2·24	—	0·62	0·01	0·20	0·38	0·20	0·83	0·70	142	10·3	73·6	6·0	15·2	3·0
Oldham	140,969	24·3	19·1	18·6	18·2	18·0	2·10	0·04	0·44	0·32	0·09	0·41	0·08	0·72	0·46	150	10·5	78·4	6·3	13·5	0·0
Blackburn	134,015	24·1	16·9	15·7	16·9	16·2	2·01	—	0·35	0·58	0·24	0·09	0·11	0·64	0·47	146	8·8	79·4	5·9	13·9	4·0

Note.—In this Table when no deaths occurred, — is inserted.

No. 13.—DEATH-RATES from ALL CAUSES, from the PRINCIPAL EPIDEMIC DISEASES, and from INFANTILE MORTALITY, in the TWENTY GREAT TOWNS, in the Ten Years, 1895-1904 and in 1905.

CITIES AND BOROUGHS.	All Causes.		Small-Pox.		Measles.		Scarlet Fever.		Diphtheria.		Whooping-Cough.		Fever.		Diarrhœa.		Deaths under one year to 1000 Births	
	Ten years, 1895-04	1905	Ten years, 1895-04	1905	Ten years, 1895-04	1905	Ten years, 1895-04	1905	Ten years, 1895-04	1905	Ten years 1895-04	1905	Ten years, 1895-04	1905	Ten years, 1895-04	1905	Ten years, 1895-04	1905
London	18·2	15·6	0·04	0·00	0·53	0·37	0·13	0·12	0·37	0·12	0·41	0·32	0·13	0·05	0·84	0·73	155	131
Liverpool	23·2	19·6	0·03	—	0·50	0·32	0·27	0·41	0·25	0·21	0·52	0·20	0·26	0·10	1·57	1·35	186	153
Manchester ...	22·6	18·0	0·01	—	0·79	0·37	0·21	0·13	0·18	0·20	0·49	0·31	0·17	0·09	1·41	1·15	187	157
Birmingham ...	20·2	16·2	0·01	0·00	0·43	0·44	0·23	0·10	0·28	0·17	0·47	0·29	0·20	0·07	1·39	0·83	188	154
Leeds	19·1	15·2	0·01	0·01	0·47	0·24	0·18	0·09	0·33	0·10	0·38	0·26	0·18	0·12	1·09	0·79	176	151
Sheffield	19·6	17·0	0·00	—	0·51	0·94	0·19	0·22	0·43	0·13	0·39	0·29	0·27	0·10	1·50	1·52	185	167
Bristol	16·9	14·6	0·00	—	0·42	0·50	0·12	0·11	0·26	0·16	0·33	0·34	0·11	0·03	0·64	0·36	140	122
West Ham ...	17·8	14·8	0·06	—	0·61	0·35	0·13	0·12	0·56	0·26	0·47	0·56	0·24	0·10	1·39	1·59	169	153
Bradford	17·7	15·2	0·01	0·02	0·33	0·04	0·16	0·16	0·17	0·28	0·29	0·34	0·17	0·08	0·85	0·50	165	144
Hull	**18·8**	**16·3**	**0·07**	**0·01**	**0·53**	**0·09**	**0·14**	**0·09**	**0·19**	**0·30**	**0·34**	**0·50**	**0·21**	**0·10**	**1·62**	**1·28**	**175**	**152**
Nottingham ...	18·4	16·5	0·01	0·00	0·33	0·92	0·15	0·07	0·13	0·19	0·33	0·24	0·28	0·09	1·26	0·76	184	155
Salford	22·6	16·9	0·00	—	0·91	0·32	0·34	0·29	0·34	0·36	0·60	0·20	0·32	0·19	1·65	1·21	200	148
Newcastle	20·9	16·8	0·01	0·01	0·45	0·13	0·14	0·05	0·17	0·19	0·43	0·33	0·13	0·04	0·78	0·58	172	135
Leicester	16·7	13·3	0·01	—	0·32	0·23	0·14	0·15	0·49	0·05	0·31	0·22	0·13	0·04	1·35	0·93	181	148
Portsmouth ...	17·4	16·6	—	—	0·27	1·08	0·10	0·05	0·34	0·34	0·33	0·22	0·26	0·09	1·18	0·86	158	133
Cardiff	16·9	13·4	0·01	—	0·41	0·44	0·12	0·02	0·45	0·13	0·42	0·19	0·10	0·04	0·78	0·32	154	118
Bolton	19·5	15·1	0·01	—	0·51	0·53	0·27	0·02	0·14	0·10	0·43	0·05	0·28	0·19	1·3	1·05	171	167
Sunderland ...	20·9	18·6	0·01	—	0·52	0·62	0·18	0·01	0·11	0·20	0·44	0·38	0·38	0·20	1·20	0·83	171	142
Oldham	20·5	18·0	0·05	0·04	0·65	0·44	0·25	0·32	0·20	0·09	0·44	0·41	0·14	0·08	0·82	0·72	174	150
Blackburn	19·6	16·2	0·01	—	0·78	0·35	0·21	0·58	0·27	0·24	0·38	0·09	0·23	0·11	1·15	0·64	193	146

NOTE.—In this table 0·00 indicates that the deaths were too few to give a rate of 0·005 ; when no death occurred — is inserted

No. 14.—Returns made by the Vaccination Officers of the Hull and Sculcoates Unions respecting the VACCINATION of CHILDREN whose births were Registered during the year 1904.

Districts.	Births.	Successfully Vaccinated.	Insusceptible.	Dead Unvaccinated.	Postponement by Certificate.	Not accounted for.	Conscientious Objection Certificates.
Drypool	1432	1188	1	169	11	59	4
Sutton	520	429	1	68	5	16	1
East Sculcoates	507	451	—	45	—	9	2
West Sculcoates	1093	887	—	141	3	57	5
Humber	720	545	1	100	—	73	1
Myton	1675	1238	3	243	11	174	6
Newington	1414	1100	—	188	22	91	13
Newland	551	479	—	60	5	6	1
Marfleet	8	6	—	2	—	—	—
Totals	7920	6323	6	1016	57	485	33

Small Pox.

Three deaths from Small Pox were reported during the year, two occurring in the first quarter and one in the second quarter, being a mortality at the rate of 0·01 per 1000 of the population. The average death-rate from Small Pox in the seventy-six great towns was 0·00 per 1000 per annum.

Scarlatina.

Twenty-six deaths have been reported from Scarlatina during the year, being a mortality at the rate of 0·10 per 1000 per annum of the estimated population. The average death-rate from Scarlatina for the seventy-six great towns was 0·13 per 1000 per annum. The deaths from Scarlatina were distributed over the four quarters of the year as follows :—First quarter, 4 ; second quarter, 10 ; third quarter, 6 ; and fourth quarter, 6. The average number of deaths from Scarlatina in the City during the past twenty years was 32.

Measles.

Measles accounted for 22 deaths in 1905, as against 178 deaths in 1904, and 117 in 1903. The death-rate from Measles was equal to 0.08 per 1000 per annum of the estimated population. The average death-rate from Measles for the seventy-six great towns was 0·39 per annum. The deaths from Measles were distributed over the four quarters of the year as follows :—First quarter, 9 ; second quarter, 12 ; third quarter, 1 ; and fourth quarter, 0. The average number of deaths from Measles in the City during the past twenty years was 78.

Diphtheria.

There have been 72 deaths from Diphtheria, as against 61 in 1904, and 75 in 1903. The death-rate was equal to 0·27 per 1000 per annum. The average mortality from Diphtheria for the seventy-six great towns was 0·16 per 1000 per annum. The deaths from Diphtheria were distributed over the four quarters of the year as follows :—First quarter, 18 ; second quarter, 12 ; third quarter, 4 ; and fourth quarter, 38. The

average number of deaths from Diphtheria in the City during the past twenty years was 29.

The following is a report on the incidence of Diphtheria in Hull during the past 5 years, especially having regard to its prevalence during the twelve months ended 31st December, 1905 :—

During the past five years, there have been 2,431 cases notified (all ages), the greatest season of prevalence being in the fourth quarter of the respective years. The highest number of notifications (234) was received during the quarter ended December, 1905 (see table B).

Of this total number of notifications for the five years, 1,044 were males and 1,387 females, the greatest number (1,239) occurring between the ages of 5 and 15 years (see table C).

During this period there were 328 deaths (151 males, 177 females), occurring, 44 in two-roomed houses, 60 in three-roomed, 140 in four-roomed, and 84 in houses with more than 4 rooms.

The greatest number of deaths occurred in the registration districts of Drypool (86), Myton (62), and West Sculcoates (56), the greatest number of deaths occurring in 1902 (85) and 1903 (74) (see table D).

The death-rate of Hull as compared with the large towns of England and Wales, and the percentage of deaths in Hull to the cases notified is shown on table (E).

The schools attended by the greatest number of children notified to be suffering from Diphtheria, were Buckingham Street, West Dock Avenue, Middleton Street, and Boulevard Higher Grade (see table F).

The streets in which deaths from Diphtheria have occurred are shewn in table G.

Percentage of cases occurring in houses provided with water closets and privies (see table H).

Of the 2,431 cases notified, 816 were admitted into hospital, the highest number admitted in one year being

208 in 1905, the percentage of cases admitted to cases notified in this year being 33·6. The total number of deaths in hospital was 123, giving a percentage mortality of 15·0 for the five years.

Tracheotomy was performed in 43 cases, 26 recovered, 17 died, giving a mortality percentage of 39·5 (see table I).

During the five years, 2,797 swabs were submitted for bacteriological examination, of which number 1,229 were certified as positive, 16 doubtful, and 1,552 negative (see table J.)

Of the 700 cases notified in 1905, 286 were males and 414 females, the greatest number (363) occurring between the ages of 5 to 15 years, the majority being between 5 and 8 years, mostly occurring in the months of October (110), November (68), and December (156), the disease being most prevalent in the registration districts of Myton, Drypool, and Newington and the highest death-rates in Drypool, Myton and Newland.

During the year 1905, an outbreak of the disease occurred in the Spring Bank Orphanage, and since the beginning of October, 28 cases (12 males and 16 females) were notified from this Institution. 273 swabs were taken from the throats and nasal organs of 155 of the inmates, yielding 44 "Positive" and 229 "Negative" results. One death (male, 11 years) from Diphtheria occurred in the Home on the 3rd November.

Fifty-two cases of Diphtheria were reported as occurring amongst children attending the Boulevard Higher Grade School, 30 of such notifications being received during November and December. During the Christmas holidays (commencing on 22nd December) this school was thoroughly disinfected by the Sanitary Officers.

The cases were mostly of a mild character, excepting during November and December.

During recent years the aggregation of children and the spread of Diphtheria through schools, has rendered the disease more prevalent in urban than in rural districts, and I am of

opinion that the present outbreak is mostly attributable to children suffering from mild and unrecognised attacks, or children who have been exposed to infection, and who, although apparently well, may have the Diphtheria bacilli in their throats or nasal organs, attending school, thus infecting healthy and susceptible children.

Catarrhal symptoms being more prevalent during the fourth quarter of the year, render the persons attacked more susceptible to Diphtheria if brought into association with infected persons, however slight may be their attack, whilst atmospheric influences, and possibly the damp nature of our geological formation, may be favourable to its causation and prevalence.

Experience shows that when a school becomes a source of infection, the children mostly affected with Diphtheria are those between the ages of 5 and 8 years. It is not so common below the age of 5 or above the age of 10.

Before children who have suffered from Diphtheria, and others who have in any way been exposed to infection, are allowed to return to school, a swab of the secretion from their throats and nasal organs should be submitted to bacteriological examination, so as to ascertain whether they are free from Diphtheria bacilli.

According to information supplied by the Secretary of Education, the following statement shows the school accommodation and attendance during the past year :—

	Accommodation.	Average No. on the Registers.	Average Attendance.	Per Centage of Average Attendance.
Council Schools -	37584	36363	32997	90·8
Non-Provided Schools -	11999	11177	9976	89·0
	49583	47540	42973	

In cases notified for removal, or where it was ascertained that the circumstances would not permit of proper isolation at home, patients were removed to the Sanatorium as far as the accommodation would permit.

Unfortunately, the admission of three cases of Small Pox and three Contacts into the Evan Fraser Hospital on the 8th December (one of the latter developing the disease after admission) precluded the pavilions, which are set apart for the treatment of diseases, other than Small Pox, being used for Diphtheria patients, and admission on several occasions, had to be strictly confined to the more serious cases or those requiring tracheotomy.

Having regard to the increasing population of the City, now estimated at 262,426, it is essential that the advisability of providing additional accommodation at the Sanatorium for the treatment of this disease should be taken into consideration at an early date.

The use of Anti-Diphtheria Serum, both for the treatment of Diphtheria and as a prophylactic is now very general, and the Serum is recognised as a valuable agency, and has done much to lessen the virulence and mortality from Diphtheria, especially when used in the early stages of the disease.

Precautions Adopted.

Immediately a medical practitioner notifies a case of infectious disease, the house is systematically visited by our Sanitary officials and printed precautions to be taken against the spread of the disease are freely distributed. Notice is immediately forwarded to the Education Authority and Public Libraries, notifying each centre of infection, and children from the infected houses are prohibited from attending school.

All books are collected from the infected house and disinfected before redistribution, and no books are again issued to persons residing at an infected house until convalescence is

established. A sanitary inspection is also made of the house, and, in the event of any defects existing, measures are forthwith taken for placing the same in a sanitary condition.

As a result of the investigations made, 83 sanitary defects were discovered in houses where Diphtheria had occurred, they being mostly of a minor character.

Special attention was directed as to the possibility of infection through milk supplies or by means of domestic animals, but in no instance could any outbreak be attributed to these sources.

Table A shewing the number of cases of Diphtheria notified during the year 1905, with particulars as to Age, Sex, No. of Rooms in Houses, &c.

Registration District.	Sex.		Total.	Cases admitted into Hospital.	Age Periods.					Case in House.				Rooms in House.					Sanitary Convenience		Attending School.	In employment.	Deaths.	
	Male.	Female.			0 to 1	1 to 5	5 to 10	10 to 15	15 & up	1st	2nd	3rd	4th	2	3	4	5	6 & up	W.C.	Privy			At Home.	In Hospital
Drypool	79	118	197	36	1	46	74	30	46	166	20	8	3	..	5	118	41	33	35	162	124	12	14	5
Sutton	10	20	30	10	..	12	7	..	11	29	1	..	..	2	8	8	8	4	2	28	10	5	..	2
East Sculcoates	3	21	24	11	..	7	2	..	15	23	1	..	..	2	5	11	2	4	3	21	2	3	..	3
West Sculcoates	22	37	59	33	1	16	18	11	13	46	8	3	2	..	3	25	15	16	8	51	37	4	2	5
Humber	30	28	58	26	2	20	24	5	7	55	2	1	..	1	3	17	14	23	22	36	37	2	..	6
Myton	87	104	191	59	..	52	88	23	28	158	25	8	..	3	7	66	43	72	46	145	133	8	16	5
Newington ..	47	59	106	23	1	21	42	24	18	95	9	2	..	..	3	42	21	40	20	86	71	2	5	3
Newland	8	27	35	10	2	5	14	5	9	29	5	1	..	1	2	4	6	22	18	17	19	2	3	1
Totals ..	286	414	700	208	7	179	269	98	147	601	71	23	5	9	36	291	150	214	154	546	433	38	40	30

TABLE B. **DIPHTHERIA NOTIFICATIONS, 1901—1905.**

YEAR.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1901	8	12	8	4	2	4	6	9	17	61	58	42	231
1902	40	32	66	43	32	18	23	17	26	35	72	76	480
1903	54	65	52	61	35	46	34	15	28	26	44	34	494
1904	32	50	26	28	25	61	47	47	62	44	64	40	526
1905	40	50	67	48	35	36	34	20	36	110	68	156	700
TOTAL -	174	209	219	184	129	165	144	108	169	276	306	348	2,431
TOTAL IN QUARTERS.	602			478			421			930			

TABLE C. NOTIFICATIONS OF DIPHTHERIA, 1901-1905, shewing the sexes and age periods.

Year.	Males.	Females.	All Ages.	Under 1 year.	1 to 5.	5 to 15.	15 to 25.	25 to 65	65 and up.
1901	107	124	231	1	63	120	23	24	..
1902	209	271	480	10	144	233	50	43	..
1903	226	268	494	7	130	264	50	42	1
1904	216	310	526	7	130	259	75	55	..
1905	286	414	700	7	178	363	109	42	1
Total	1044	1387	2431	32	645	1239	307	206	2

Table D.

DEATHS FROM DIPHTHERIA and Death rate per 1000 of the population in the Registration Districts for the five years, 1901—1905.

Deaths.	1901.			1902.			1903.			1904.			1905.			Total for 5 years.
	Population	Deaths.	Death Rate per 1000.	Population	Deaths.	Death Rate per 1000	Population	Deaths.	Death Rate per 1000.	Population	Deaths	Death Rate per 1000.	Population	Deaths.	Death Rate per 1000.	
Drypool ..	41102	5	·12	41903	23	·54	42739	28	·65	43607	11	·25	44394	19	·43	86
Sutton ..	13716	..	..	14103	4	·28	14408	7	·50	14748	1	·06	15154	2	·13	14
E. Sculcoates	15576	..	..	15879	4	·25	16142	4	·25	16381	11	·67	16609	3	·17	22
W. Sculcoates	41344	11	·26	41785	18	·42	42311	12	·28	42784	8	·18	43242	7	·16	56
Humber ..	30773	3	·09	30649	13	·43	30734	7	·22	30836	1	·03	30936	6	·19	30
Myton ..	52141	13	·25	52785	12	·22	53759	4	·07	54633	12	·21	55472	21	·38	62
Newington ..	33226	6	·18	34197	10	·29	35057	4	·11	36033	15	·41	36947	8	·21	43
Newland ..	13371	..	..	13771	1	·07	14110	8	·57	14454	2	·14	14981	4	·26	15
Marfleet ..	373	..	..	376	..	..	379	..	..	389	..	..	392	..	..	..
Total ..	241622	38	·15	245448	85	·34	249639	74	·29	253865	61	·24	258127	70	·27	328

TABLE E.

DIPHTHERIA DEATH RATE IN THE LARGE TOWNS OF ENGLAND AND WALES.

Year.	Hull.	England and Wales.
1900	0·08	0·35
1901	0·18	0·30
1902	0·35	0·26
1903	0·31	0·20
1904	0·25	0·16

Years 1901 to 1905.

Notifications.	Deaths.	Percentage of Deaths to cases notified.
2431	328	13·5

TABLE F. DIPHTHERIA 1901—1905.

SCHOOLS ATTENDED.

Council Schools.	1901	1902	1903	1904	1905
Beverley Rd. ..	..	1	6	4	4
Blenkin St. ..	1	2	3	3	6
Blundell St. ..	..	4	2	2	2
Boulevard H.G. ..	1	5	..		52
Buckingham St. ..	3	47	5	3	19
Central H.G. ..	2	3	2	1	1
Chapman St. ..	1	4	1	..	1
Charterhouse Lane	..	3	2	..	2
Chiltern St. ..	..	1	1	10	3
Clifton St... ..	..	4	11	3	4
Constable St. ..	..	3	1	2	14
Courtney St. ..	..	3	9	6	4
Craven St... ..	4	13	6	5	8
Crowle St. ..	1	1	1	5	10
Daltry St... ..	1	1	4	2	11
Estcourt St. ..	..	..	6	1	34
Fountain Rd. ..	11	11	6	5	2
Lambert St. ..	1	1	6	7	..
Lime St.	1	1	6	6	1
Lincoln St. ..	2	3	7	3	1
Marfleet ..	..	..	..	..	..
Mersey St... ..	..	3	3	6	10

Council Schools (continued).	1901	1902	1903	1904	1905
Middleton St.	31	23	3	2	5
Newland Av.	2	1	19	20	11
Northumberland Av. ..	1	5	..	35	6
Osborne St.	3	4	15	1	3
Paisley St.	9	12	..	2	8
Park Rd.	3	14	7	8	3
St. George's Rd.	2	14	4	3	2
Scarbro' St.	1	1	3	5	15
Sir H. Cooper (Bean St.) ..	2	9	2	3	6
Somerset St.	..	4	2	2	10
Stoneferry Rd.	..	..	2	..	..
T. B. Holmes (Sth. Parade)	2	2	2	1	7
T. Stratten (Londesbro' St.)	15	8	2	3	4
Thoresby St...	..	1	11	4	2
Wawne St.	11	8	2	3	7
Westbourne St.	..	1	..	1	10
West Dock Av.	..	8	3	58	7
Wheeler St...	..	..	3	1	8
Williamson St.	..	5	2	3	8
NON-PROVIDED SCHOOLS.					
Christ Church (John St.)	2	25	5	2	1
Day Street	2	4	2	2	20

Non-Provided Schools (continued).	1901	1902	1903	1904	1905
Drypool (S. Peter's) ..	2	5	8	4	4
Hebrew (Linnæus St.) ..	..	2	1	2	1
Newland	..	.	..	2	..
S. Charles', Pryme St. ..	3	2	..	..	1
,, Gregory's, Scott St. ..	1	3	1	1	..
,, James', Porter St. ..	4	6	3	1	5
,, John's, Waltham St. ..	3	3	1	..	..
,, Joseph's, Anlaby Rd. ..	1	2	..	1	9
,, Luke's. St. Luke's St. ..	..	1	..	..	..
,, Mark's, S. Mark's St. ..	1	2	15	1	3
,, Mary's, Wilton St. ..	2	3	8	2	7
,, Patrick's, Mill St. ..	7	6	2	..	..
,, Stephen's	4	10	4	..	..
,, Wilfred's, Boulevard ..	..	1	..	..	5
Salthouse Lane S. Mary's	..	..	1	1	..
Sculcoates, ,,	1	1	..	..	2
,, S. Paul's ..	7	8	5	7	2
Sth. Myton, Adelaide St.	7	3	6	4	22
Trinity—Humber St. ..	..	2	..	2	2
Trippett, Mason St. ..	..	..	..	..	..
PRIVATE SCHOOLS ..	5	20	9	12	10
GRAMMAR SCHOOL ..	1	2	2	..	..

TABLE G. DEATHS FROM DIPHTHERIA.

THE STREETS IN WHICH THEY OCCURRED, ARRANGED IN REGISTRATION DISTRICTS.

Registration Districts.	1901	1902	1903	1904	1905
Drypool :—					
Balfour St.	..	3	1	..	..
Barnsley St.	..	1	..	..	..
Beaumont St.	..	..	1	1	..
Beeton St.	..	..	1	..	..
Berkshire St.	..	1	1	..	..
Bright St.	..	..	..	1	1
Buckingham St.	..	..	..	..	2
Church St.	..	..	..	1	..
Courtney St.	..	1	..	2	..
Dansom Lane	..	..	1	..	..
De-la-Po'e Pl.	..	..	1	..	1
Durham St	..	1	1	..	..
Estcourt St.	..	..	..	..	1
Feather Lane	..	..	1	..	..
Ferries St.	..	..	1	..	..
Field St.	..	2	..	1	..
Great Union St.	..	..	1	..	..
Harcourt St.	..	1	1	..	..
Hedon Rd.	..	1	..	..	3
Holderness Rd.	..	1	1	..	..
Holland St.	1	..	..	..	..
James St.	..	..	1	..	..
Jarvis St.	..	1	..	..	1
Kent Street	..	2	1	1	..
Lee Smith St.	..	..	1	..	..
Merrick St.	..	2	1	1	..
Mersey St.	1	..	..	..	1
Naylor's Row	..	..	2	..	..
New Bridge Rd.	..	..	..	..	1
Nornabell St.	..	2	..	2	1
Pelham St.	..	1	1	..	..
Poplar St.	1	..	..	..	..
Prospect Place	..	..	1	..	..
Raven St.	1	..	..	..	..

Registration Districts (continued).	1901	1902	1903	1904	1905
Drypool (continued)—					
Rosmead St.	..	..	..	..	1
Rustenberg St.	..	..	..	..	1
St. Quintin's Place	..	..	2	..	..
Severn St.	..	..	1	..	1
Southcoates Lane	..	..	1	..	..
Studley St.	..	..	1	..	..
Steynberg St	..	..	..	..	1
Victor St.	1	2	..	..	..
Warwick St.	..	1	2	..	1
Williamson St.	..	..	..	..	2
Woodhouse St.	..	..	1	1	..
Wyke St.	..	..	..	1	..
Sutton :—					
Chapman St.	..	1	..	..	..
Cleveland St.	..	..	1	..	..
Duncan St.	..	1	..	..	
Hodgson St.	..	..	1	..	..
St. Mark St.	..	..	3	..	1
Sidney St.	..	..	1	..	..
Spyvee St.	..	..	1	..	1
Stoneferry	..	1	..	..	..
Witham	..	1	..	..	..
East Sculcoates :—					
Aldboro'-street	..	..	1	..	..
Barmston St.	..	..	..	1	2
Fountain Rd.	..	..	..	2	..
Lake St.	..	..	..	1	..
Lockwood St.	..	..	..	1	..
Northumberland Avenue	..	1	..	2	..
Swann Street	..	1	..	..	..
Sykes St.	..	1	1	..	..

Registration Districts (continued).	1901	1902	1903	1904	1905
E. Sculcoates (continued)—					
Toogood St.	..	1	..	1	..
Westmoreland St	..	..	1	..	..
Wharram St.	..	..	..	1	..
Wincolmlee	..	..	1	1	1
West Sculcoates :—					
Alicia St.	..	1	..	..	..
Beverley Rd.	..	1	1	..	..
Bridlington St.	1	..	1	..	..
Cave St.	..	2	..	..	..
Charles St.	..	1	..	..	..
Clifton St.	..	..	1	..	1
Cottingham Drain Side	..	1	..	..	..
Cranbourne St.	..	2	..	..	..
Drainside	..	..	1	..	..
Fountain Road	..	.	..	3	..
Freehold St.	1	1	..	..	..
George St.	..	1	..	..	..
Grange St.	2	..	1	2	..
Grosvenor St.	1	..	..	..	..
Hopwood St.	1	1	..	..	..
Hutt St.	1	..	..	..	..
Marlboro' Terr.	..	..	..	1	..
Mayfield St.	2	..	..	..	..
Norfolk St.	..	..	1	..	..
Reform St.	..	1	1	..	..
Rodney St.	1	..	..	..	..
Russell St.	..	1	..	..	..
St. Paul's St.	..	..	..	1	2
Sculcoates Lane	..	..	1	1	3
Seaton St.	1	..	1	..	..
Symons St.	..	..	..	..	1

DEATHS FROM DIPHTHERIA (continued).

THE STREETS IN WHICH THEY OCCURRED, ARRANGED IN REGISTRATION DISTRICTS.

Registration Districts.	1901	1902	1903	1904	1905
W. Sculcoates (con).					
Silvester St.	..	1	..	..	..
Vane St.	..	..	1	..	..
Walmsley St.	..	..	1	..	..
Waterloo St.	..	1	1	1	..
Wright St.	..	3	..	..	..
HUMBER—					
Adelaide St.	..	3	1	..	2
Anlaby Rd.	..	1	..	..	..
Colonial St.	1	..	..	..	..
English St.	..	..	1	..	..
Gt. Passage St.	..	..	1	..	1
Gt. Thornton St.	..	..	..	..	2
George Yd.	..	1	..	..	..
Lowgate	..	..	1	..	..
Middle St.	..	1	..	..	..
Osborne St.	..	1	..	1	..
Porter St.	..	..	1	..	..
Portland St.	1	..	..	..	..
Salthouse Lane	..	1	..	..	..
South St.	..	1	..	..	..
Spencer St.	1	..	..	..	..
Walker St.	..	..	..	..	2
Waverley St.	..	1	1	..	..
West St.	..	3	..	..	..
Woods Lane	..	..	1	..	..
MYTON—					
Anlaby Road	2	..	..	..	..
Arlington St.	..	..	..	..	1
Airlie St.	..	..	..	..	1
Argyle St.	1	..	..	..	..
Bachelor St.	..	..	..	..	1
Bean St.	..	1	.	..	..
Boulevard	..	..	..	2	..
Campbell St.	..	..	1	2	..

Registration Districts (continued).	1901	1902	1903	1904	1905
Myton (continued)—					
Clarendon St.	1	1	1	..	..
Constable St.	..	..	..	..	1
Daltry St.	..	..	..	..	1
Division Rd.	..	..	..	1	..
Edgar St.	1	..	..	..	..
Eton St.	1	..	..	4	..
Goodwin St.	..	..	..	..	2
Harrow St.	..	..	1	..	1
Heron St.	..	..	..	..	1
Hessle Rd.	..	..	..	..	1
Kimberley St.	1	1	..	..	..
Kings Bench St.	..	..	..	..	1
Londesbro' St.	3	1	..	..	..
Marmaduke St.	..	1	..	..	..
Parrott St.	..	..	1	..	..
Park St.	..	..	..	..	2
Queensgate St.	..	..	..	..	1
Redbourne St.	..	1	..	..	..
Rosamond St.	..	..	..	..	1
S. Boulevard	..	1	..	..	..
Selby St.	..	..	..	..	1
South Parade	1	..	..	..	1
Stanley St.	1	..	..	..	2
Strickland St.	1	..	..	..	1
Walker Street	..	..	..	1	1
Wassand St.	..	1	..	..	..
West Parade	..	2	..	..	..
West Dock Av.	..	..	..	2	..
Wyndham St.	..	2	..	..	..
NEWINGTON—					
Alliance Av.	1	..	..	..	..
Arthur St.	..	..	..	2	..
Ashbourne St.	..	1	..	..	..
Clyde St.	..	1	1	..	..
Devon St.	..	1	..	..	..

Registration Districts (continued).	1901	1902	1903	1904	1905
Newington (continued).—					
Eastbourne St.	..	..	..	..	1
Edinburgh St.	..	1	..	..	..
Flinton St.	1	..	..	1	..
Gillett St.	..	..	..	1	1
Glasgow St.	..	..	..	..	1
Greek St.	..	..	2	..	..
Hawthorne Av.	..	2	..	..	..
Hessle Rd.	..	1	..	..	..
Manchester St	..	..	..	1	..
Paisley St.	1	1	..	..	..
Plane St	..	1	..	..	..
Rugby St.	..	..	..	2	..
St. Andrew St.	..	..	..	1	..
Scarboro St.	..	..	..	2	..
Somerset St.	..	..	..	..	1
Subway St.	..	..	..	1	..
Walton St.	3	1	..	..	..
Walliker St.	..	..	..	..	2
West Dock St.	..	..	..	2	1
Witty St.	..	..	1	..	..
Wold Carr Villas	..	..	..	1	..
Woodcock St.	..	..	..	1	..
NEWLAND—					
Beaconsfield St.	..	..	1	..	..
Belvoir St.	..	..	..	..	1
Blenheim St.	..	..	1	..	..
Fitzroy St.	..	..	1	..	..
Maple St.	..	..	2	..	..
Melwood Grove	..	..	..	..	2
Newland Av.	..	..	1	..	..
Prince's Rd.	..	..	1	..	..
Queens Rd.	..	..	..	..	1
Thoresby St.	..	..	1	..	..
Welbeck St.	..	1	..	..	..

TABLE H.

Year.	Cases.	Percentage of Cases in W.C. Houses. to total cases notified.	Percentage of Cases notified to total number of W.C.'s in City.	Percentage of Cases in Privy Houses to total cases notified.	Percentage of Cases notified to total number of Privies in City.
1901	231	26·8	1·7	73·1	0·4
1902	480	18·5	3·3	81·4	0·9
1903	494	14·7	3·0	85·2	0·9
1904	526	30·2	3·6	69·7	1.0
1905	700	16·8	4·0	83·1	1·4

Table I. Showing the number of cases of Diphtheria admitted into the Sanatorium, 1901 to 1905.

Year.	Total Cases.	Age Period.										Number treated with Anti-toxin.	Tracheotomy.		Total Deaths.	Perc'nt'ge Mortality
		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 & up		Cases.	Deaths.		
1901	55	. .	7	5	2	10	18	8	. .	1	4	51	2	2	12	21·8
1902	202	4	6	8	22	25	83	31	4	3	16	171	15	8	27	13·3
1903	183	. .	6	10	17	23	82	21	4	6	14	175	9	1	28	15·3
1904	164	. .	8	12	25	18	66	18	10	3	4	155	12	3	26	15·8
1905	208	1	11	15	15	22	87	33	9	5	10	195	5	3	30	14·4

TABLE J.

BACTERIOLOGY.

DIPHTHERIA.

Year.	Number of Swabs.	Result.		
		Positive.	Doubtful.	Negative.
1901	254	105	5	144
1902	495	226	—	269
1903	379	173	5	201
1904	887	407	5	475
1905	976	359	1	616
..	2991	1270	16	1705

COST OF ANTI-TOXIN.

	£	s.	d.
From April, 1901, to March, 1902 ..	58	12	6
,, ,, 1902, to ,, 1903 ..	195	19	5
,, ,, 1903, to ,, 1904 ..	124	17	3
,, ,, 1904 to ,, 1905 ..	62	15	9
	£442	4	11

Whooping Cough.

Whooping Cough occasioned 121 deaths, as against 62 in 1904, and 23 in 1903. The death-rate was equal to 0·46 per 1000 per annum. The average mortality from Whooping Cough for the seventy-six great towns was 0·29 per 1000 per annum. The deaths from Whooping Cough were distributed over the four quarters of the year as follows :—First quarter, 52 ; second quarter, 38 third quarter, 14 ; and fourth quarter, 17. The average number of deaths from Whooping Cough in the City during the past twenty years was 78.

Fever.

This term embraces the three forms—Typhus, Typhoid, and Simple Continued Fever—and caused 22 deaths, being at the rate of 0·08 per 1000 of the estimated population. The average mortality from Fever for the seventy-six great towns was 0·08 per 1000 per annum. The deaths were distributed over the four quarters of the year as follows :—First quarter, 5 ; second quarter, 4 ; third quarter, 9 ; and fourth quarter, 4. The average number of deaths from Fever in the City during the past twenty years was 43.

No. 15.—TABLE shewing the number of DEATHS from TYPHOID FEVER, with the Age, Sex and District in which they occurred.

Districts.	0 to 1.		1 to 5.		5 to 15.		15 to 25.		25 to 65.		65 & up.		M.	F.	Total.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			
Drypool	...	...	...	...	...	...	1	1	...	...	...	...	1	1	2
Sutton	...	...	...	...	...	...	1	...	1	...	...	...	2	...	2
E. Sculcoates	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
W. Sculcoates	...	...	...	...	...	1	1	1	1	1	...	1	2	4	6
Humber	...	...	...	...	...	...	...	2	1	...	...	...	1	2	3
Myton	...	...	...	...	...	...	...	1	2	2	...	...	2	3	5
Newington	...	...	1	...	...	...	1	2	...	...	...	...	2	2	4
Newland	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marfleet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	...	...	1	...	...	1	4	7	5	3	...	1	10	12	22

Diarrhœa.

Diarrhœa occasioned 339 deaths, a mortality of 1·31 per 1000 per annum of the estimated population. The average mortality from Diarrhœa for the seventy-six great towns was 0·83 per 1000 per annum. The deaths from Diarrhœa were distributed over the four quarters of the year as follows :—First quarter, 9 ; second quarter, 10 ; third quarter, 301 ; and fourth quarter, 19. The average number of deaths from Diarrhœa in the City during the past twenty years was 286. The highest mortality from Diarrhœa in the seventy-six great towns was 1·59 in West Ham, 1·68 in Wigan, and 1·78 in Grimsby.

Infantile Diarrhœa.

Of 339 deaths from Diarrhœa, 285 were children aged one year and under, and of this latter number 258 died in the autumnal quarter, 216 of whom were bottle-fed or had received a mixed diet, and 42 only had been breast-fed.

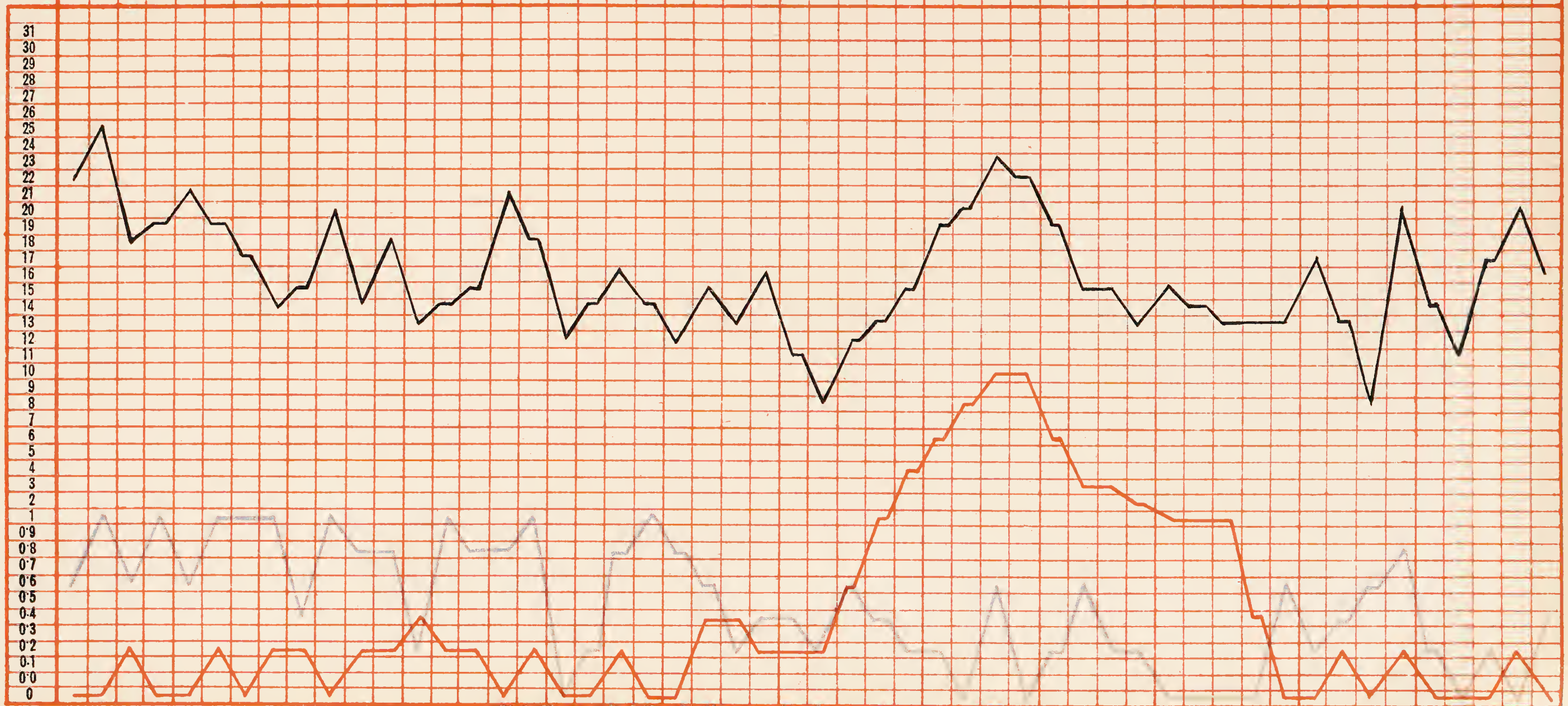
CHART shewing the DEATH RATES per 1000 from prevailing ZYMOTIC DISEASES, and from all causes, together with the TEMPERATURE and RAINFALL in weeks.

DEATH RATES: All Causes— *Diarrhœa—* *Whooping Cough—*

TEMPERATURE.	JAN.				FEB.				MARCH.				APRIL.				
Maximum	54	49	42	50	52	51	55	47	47	53	58	55	58	55	58	53	60
Mean	41	41	33	37	49	40	43	37	38	43	47	43	47	41	47	42	48
Minimum	28	31	21	28	34	28	28	30	33	35	39	30	36	27	28	35	35
RAINFALL IN INCHES.	0·11	0·25	0·15	0·01	0·11	0·09	0·09	0·20	0·87	0·15	0·62	0·31	0·81	0·47	0·20	0·57	1·01

TEMPERATURE.	MAY.				JUNE.				JULY.					AUGUST.			
Maximum	60	69	64	68	79	69	72	75	78	80	85	79	75	72	72	74	74
Mean	47	51	50	50	59	52	57	60	58	61	68	63	62	62	60	58	60
Minimum	32	34	41	31	47	41	44	49	46	47	50	47	50	47	47	49	45
RAINFALL IN INCHES.	0·54	0·03	0·01	0·02	0·12	0·02	0·41	0·16	1·65	..	0·02	1·01	0·53	0·72	0·21	0·46	1·10

TEMPERATURE.	SEP.					OCT.				NOV.				DEC.				
Maximum	70	68	68	69	60	58	63	54	54	54	50	49	49	52	53	47	52	45
Mean	57	66	54	54	47	47	49	41	42	45	44	38	37	40	41	40	42	38
Minimum	47	50	37	40	45	37	33	39	34	30	37	23	23	36	32	31	35	32
RAINFALL IN INCHES.	0·55	0·86	0·04	0·02	0·21	0·46	0·60	0·36	0·45	0·65	0·78	0·65	0·20	0·80	0·09	0·01	0·02	0·30



0·0 indicates that the deaths were too few to give a rate of 0·005.

TABLE No. 16.—Shewing Total Number of Deaths from Diarrhœa during the Years 1885 to 1905 inclusive; also the Number of Deaths of Children occurring in the Autumnal Quarters of the same Years.

Year.	Deaths during Year.		No. of Deaths during Autumnal Quarter.		
	Total Deaths.	No. of Deaths aged 1 year and under.	Aged 1 year and under.	Bottle Fed and Mixed Diet.	Breast Fed.
1885	59	43	23	18	5
1886	262	193	155	141	14
1887	214	170	154	124	30
1888	86	59	39	33	6
1889	213	157	131	109	22
1890	183	140	89	72	17
1891	122	100	81	65	16
1892	176	131	106	98	8
1893	474	373	343	300	43
1894	72	59	32	26	6
1895	524	399	343	299	44
1896	191	154	133	108	25
1897	451	368	338	290	48
1898	365	325	259	235	24
1899	295	254	230	211	19
1900	404	322	277	227	50
1901	411	341	306	257	49
1902	101	81	38	35	3
1903	308	256	212	186	26
1904	523	422	390	309	81
1905	339	285	258	216	42

No. 17.—Table shewing the Population and Deaths from Diarrhœa during the Third Quarters of the years 1878 to 1905, both inclusive; also the total Rainfall in inches and Temperature for the same period.

			JULY.				AUGUST.				SEPTEMBER.			
Years.	Population.	Deaths from Diarrhœa.	Mean of Maximum.	Highest Reading.	Date.	Total Rainfall.	Mean of Maximum.	Highest Reading.	Date.	Total Rainfall.	Mean of Maximum.	Highest Reading.	Date.	Total Rainfall.
			°	°		ins.	°			ins.	°	°		ins.
1878	144,450	336	71·3	86	20	0·88	69·1	73	2,7,8,12,18	5·31	63·7	73	6	2·81
1879	147,940	18	65·3	78	28,30	3·51	66·2	73	20	6·54	62·2	72	7	2·57
1880	151,500	208	67·2	75	25	4·57	69·3	77	10	1·87	66·4	76	5	5·05
1881	155,160	109	69·1	85	4	2·79	65·1	83	5	6·45	61·8	71	19	3·34
1882	158,814	227	71·1	76	27,28	1·98	69·2	79	11	3·18	65·0	72	8,10	1·60
1883	176,296	73	69·0	75	7,8,9,31	3·15	69·9	77	13	1·33	63·6	72	17	4·29
1884	181,225	273	71·3	81	2	2·13	75·7	85	24	1·46	65·9	77	17	1·09
1885	186,292	26	68·8	84	25	0·56	62·5	74	16	2·01	61·2	71	15	2·46
1886	191,501	201	68·5	82	3,4	2·52	68·4	80	30	2·10	63·2	74	14	1·06
1887	196,855	188	73·0	83	8	1·13	69·0	80	6	1·57	59·3	68	3	2·55
1888	202,359	39	62·0	71	22,23	5·75	65·5	79	9	2·41	60·5	69	3	1·59
1889	208,017	168	64·8	70	31	1·38	65·7	70	1	4·03	64·3	71	9,10,11	1·38
1890	213,833	122	67·3	72	31	1·57	65·1	71	4,5	3·12	66·2	69	8,10	1·44
1891	200,934	81	68·1	79	17	2·87	64·9	71	2,19	3·79	66·2	82	10	1·30
1892	204,750	139	66·1	72	2	1·67	67·8	73	21	2·85	64·4	68	27	1·34
1893	208,639	431	68·5	77	2,8	2·37	73·9	93	18	2·21	64·3	77	45	1·81
1894	212,679	35	69·9	80	5	2·23	65·7	71	30	2·22	58·3	69	11	0·84
1895	216,722	442	69·1	82	8	5·61	70·5	79	21	3·65	70·0	78	2,9	1·08
1896	220,844	155	72·4	85	20	1·16	65·0	72	12,13	2·78	61·8	70	13	3·83
1897	225,045	399	69·6	80	23	0·40	71·2	81	5	2·79	61·1	69	24	3·21
1898	229,887	301	67·3	74	22,31	0·50	69·2	81	12	3·71	68·2	85	17	0·26
1899	234,270	268	72·6	81	11,19	1·59	71·8	87	1	0·68	63·9	84	5	2·55
1900	238,736	341	74·0	85	25	1·62	67·2	79	13	4·71	65·2	73	13	1·37
1901	241,622	367	73·6	84	17,18	1·96	71·1	81	18	5·75	64·8	73	10	0·78
1902	245,448	53	66·6	84	15	2·43	64·0	75	16	2·18	63·0	72	6	0·69
1903	249,639	252	67·7	86	10	2·68	65·0	73	8	3·19	62·9	73	1	3·13
1904	253,865	472	71·0	82	15	3·35	68·0	84	3	3·28	63·0	74	5	1·70
1905	258,127	301	73·0	85	14	1·60	64·0	74	14, 21	2·73	62·6	70	2	1·44

Disease Map.

I append to my Report a Map of the City, shewing the distribution of deaths from Small Pox, Diarrhœa, Whooping Cough, Measles, Typhoid Fever, Scarlatina and Diphtheria.

Bacteriology.

The following statement shews the number and results of Bacteriological examinations during the year 1905 :—

Disease Suspected.	Number of Cases.	Result.		
		Positive.	Doubtful.	Negative.
Diphtheria	976	359	1	616
Typhoid Fever...	55	22	...	33
Phthisis	15	7	...	8
Cerebro-spinal Meningitis	2	...	...	2
Totals.....	1048	388	1	659

Hospitals.

Seven hundred and eighty-nine patients have been admitted during the year 1905, as against 756 in 1904, and 616 in 1903.

Of the cases admitted into Hospital, 47 were suffering from Small Pox, 331 from Scarlatina, 224 from Diphtheria, 62 from Typhoid Fever, 3 from Measles, and 122 were admitted for isolation.

The admissions were distributed over the four quarters of the year as follows :—

First quarter, 241 ; second quarter, 148 ; third quarter, 183 ; fourth quarter, 217.

Six hundred and seventy-five cases of Scarlatina were notified to the Authority, of which number 326 or 48·3% were removed to the Sanatorium for isolation. Of the 326 admitted, 11 proved fatal, giving a case fatality of 3·3 % of the cases admitted. Five cases in addition were admitted from outside the boundary, or from vessels arriving in Port.

One hundred and twenty-eight cases of Typhoid Fever were notified, of which number sixty-two or 48·4 per cent. were admitted to the Hospitals (sixty to the Sanatorium and two to the Evan Fraser Hospital). Of this number twelve proved fatal, giving a case mortality of 19·3 % as against 12·5 % for 1903, and 19·8 % for 1904.

Seven hundred persons were notified as suffering from Diphtheria. Of this number, 208, or 29·7 % were removed to the Hospitals for isolation. Sixteen cases in addition have been admitted from vessels or from outside the City boundary, three of which proved fatal.

The accompanying Table gives particulars of 222 cases notified and admitted to the Sanatorium. Thirty-three deaths from Diphtheria occurred in the Institution, giving a case mortality of 14·8 %. It is felt that this figure, which is a marked reduction on what prevailed before the use of Antitoxin, could be further very considerably reduced if the cases were admitted to Hospital and brought earlier under the antitoxin treatment. Of the thirty-three deaths in the Institution nine of the cases showed the Haemorrhagic tendency.

The percentage of deaths from all causes to the total admissions was equal to 7·7 %, as against 8·2 % during the year 1904, and 6·9 % during the year 1903.

The average daily number of patients in the Hospitals was 85, and the average stay of each patient was 39 days.

DIPHTHERIA.

No. 19.—TABLE shewing Particulars of Cases admitted to the Sanatorium.

Age Periods.	Number of Cases.	TYPE OF CASE.		Number treated with Anti-toxin.	ANTI-TOXIN SEQUELÆ.			DIPHTHERIA Complications and Sequelæ.			TRACHEOTOMY.		Total Number of Deaths.	Percentage Mortality.
		Faucial.	Laryngeal.		Rash.	Joint Pains.	Pyrexia.	Albuminuria.	Paralysis.	Other Complications.	Number of Cases.	Number of Deaths.		
0—1	1	...	1	1	...	...	...	...	...	1	...	...	...	...
1—2	11	8	5	10	3	...	...	2	1	3	2	2	5	41·8
2—3	16	13	5	16	7	...	2	3	1	5	1	...	3	18·7
3—4	17	16	3	16	3	1	2	1	...	5	1	1	6	35·1
4—5	24	23	4	22	8	2	2	8	3	6	1	...	3	12·5
5—10	94	91	6	91	28	3	15	23	22	23	1	1	13	13·5
10—15	35	24	...	33	11	2	5	5	4	3	...	...	2	5·7
15—20	9	9	...	9	5	2	1	3	...	3	...	...	1	11·1
20—25	6	6	...	6	2	...	...	1	...	...	...	...	...	...
over 25	9	9	1	8	4	3	1	3	1	...	...	...	...	...
Totals	222	199	25	212	71	13	28	49	32	49	6	4	33	14·8%

This Table includes cases admitted to the Sanatorium from the City, Port and outlying Districts.

TABULATED STATEMENT SHEWING THE NUMBER OF DEATHS THAT HAVE OCCURRED IN THE HOSPITALS FROM SMALL POX, SCARLATINA, TYPHOID FEVER, DIPHTHERIA, &c., GIVING SEX, AGE AND DURATION OF ILLNESS.

Sanatorium.

SCARLATINA.

Sex	M.	M.	M.	F.	M.	M.	F.	F.	F.	F.	M.
Age (years)...	34	9	8	6	6	5	5	4	3½	3	2½
Days	1	3	3	17	2	20	5	22	4	31	30

TYPHOID FEVER.

F.	M.	M.	M.	M.	M.	M.	F.	F.	F.	M.	F.
48	45	44	39	32	26	24	20	20	17	16	16
40	19	2	12	7	16	21	17	4	6	10	2

DIPHTHERIA.

Sex...	F.	M.	M.	F.	F.	F.	F.	F.	M.	M.	M.	F.	F.	M.	M.	M.	F.	F.	F.	M.	M.	F.	F.	F.	F.	F.	M.	M.	F.	F.	F.	F.	F.
Age...	19	13	10	9	8	8	8	8	6	6	6	5	5	5	5	5	4	4	4	3	3	3	3	3	3	2½	2	2	1½	1½	1½	1	1
Days.	9	8	2	3	13	9	7	1	14	12	7	38	8	8	7	5	9	6	2	31	28	9	3	2	1	5	8	2	2	1	1	9	2

Evan Fraser Hospital.

SMALL POX.

Sex.....	M.	F.	M.
Age.....	55	33	3
Days....	8	4	5

DIPHTHERIA.

F.
4
7

ISOLATION.

M.
24
2

The following table shews the number of Cases Admitted into the Hospitals in age periods, and the diseases from which they were suffering, and includes Patients admitted from ships and from outlying districts, as well as those from within the City boundary :—

Diseases.	Ages.									Totals.
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 upwards.	
Plague	...	...	...	...	...	...	...	...	...	...
Small Pox ...	...	3	11	12	13	3	4	1	...	47
Measles	1	1	...	1	...	...	...	...	...	3
Scarlatina.....	3	76	209	33	9	1	...	...	...	331
Diphtheria ...	1	69	129	15	8	...	2	...	...	224
Typhoid Fever	...	1	15	23	13	6	3	1	...	62
Isolation	7	13	28	30	19	11	11	2	1	122
Totals.....	12	163	392	114	62	21	20	4	1	789

Table shewing the number of the deaths which occured in the Hospitals and the districts from which they were removed.

Diseases.	Drypool.	Sutton.	East Sculcoates.	West Sculcoates.	Humber	Myton.	Newington.	Newland.	Marfleet.	From Outside City Boundary.	Totals.
Small Pox.....	...	...	...	...	3	...	...	...	...	...	3
Measles	...	...	...	...	...	...	...	...	...	...	...
Scarlatina	1	...	2	2	1	4	1	...	...	...	11
Diphtheria ...	6	2	3	5	5	6	3	1	...	3	34
Typhoid Fever	2	1	...	1	3	3	1	...	...	1	12
Isolation	...	...	...	...	1	...	..	...	...	...	1
	9	3	5	8	13	13	5	1	...	4	61

Small Pox.

Forty-seven cases of Small Pox were admitted into Hospital. The prevailing type of the disease was mild, the case mortality being 6·3 %. The following tables give particulars as to vaccination.

Re-vaccination.

No person who had been recently successfully re-vaccinated was attacked. Two persons stated to have been successfully re-vaccinated at some time were admitted. The particulars of these cases are as follows :—

(*a*) Male, aged 55 years, admitted 11th January, 1905. Five marks primary vaccination, approximate area, $1\frac{7}{8}$ square inches. Vaccinated in infancy. Stated to have been successfully re-vaccinated about 30 years previous to date of attack. This person suffered a confluent attack and died on the 28th January.

(*b*) Male, aged 40 years, admitted 17th January, 1905. One mark primary vaccination, approximate area, $\frac{3}{8}$ square inch. Vaccinated in infancy. Stated to have been successfully re-vaccinated 9 years previous to admission. No scars could be discerned to substantiate statement. Patient suffered a discrete attack, and left the hospital on the 30th January.

Four persons were admitted suffering from Small Pox who had been successfully re-vaccinated after having been infected with the disease. The following statement shews the date of re-vaccination and the stated date of appearance of eruption in each case :—

Age.	Date of successful Re-vaccination.	Date of appearance of Small Pox eruption.
33 years	10th January, 1905	19th January, 1905.
32 ,,	9th ,, ,,	,, ,, ,,
28 ,,	27th ,, ,,	7th February, ,,
16 ,,	5th February, ,,	12th ,, ,,

SMALL POX.

TABLE A.—Statement Showing Condition as to Vaccination of the Patients Admitted into Hospital.

Age Periods	A—Cases presenting a vaccination cicatrix or cicatrices.			B—Cases presenting no vaccination cicatrix or cicatrices.						C—Cases presenting no vaccination cicatrix or cicatrices, but showing marks of vaccination performed subsequently to the case having been infected with smallpox.			Total Cases	Total Deaths	Total fatality per cent. of cases
	Cases	Deaths	Fatality per cent. of cases	Stated to have been vaccinated	Not stated to have b'n vaccinated	Stated to be un-vaccinated	Vaccination stated to have been performed but never successfully	Deaths	Fatality per cent. of cases	Cases	Deaths	Fatality per cent. of cases			
Under 1 Yr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 to 5	...	...	...	...	...	1	...	1	100·0	2	...	...	3	1	3·3
5 to 10.....	...	...	...	...	1	5	...	...	...	1	...	...	7	...	...
10 to 15 ...	...	...	...	...	1	3	1	...	...	...	...	...	5	...	...
15 to 25 ...	8	...	...	...	...	3	...	...	...	1	...	...	12	...	...
25 to 60 ...	20	2	...	...	...	...	...	...	...	...	...	...	20	2	10·0
60 and upwards.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	28	2	7·2	...	2	12	1	1	6·6	4	...	...	47	3	6·3

Totals for columns B and C—19 cases; 1 death; fatality, 5·2 per cent.

SMALL POX.

TABLE B.—Analysis of Marks and Quality of Vaccination of the Vaccinated Persons Attacked, in Age Periods.

Age Periods.	1 Mark.				2 Marks.				3 Marks.				4 Marks and Over.				Totals.
	Total area under ½ sq. in.	½ sq. in. to 1 sq. in.	1 sq. in. to 2 sq. in.	2 sq. in. and over.	Total area under ½ sq. in.	½ sq. in. to 1 sq. in.	1 sq. in. to 2 sq. in.	2 sq. in. and over.	Total area under ½ sq. in.	½ sq. in. to 1 sq. in.	1 sq. in. to 2 sq. in.	2 sq. in. and over.	Total area under ½ sq. in.	½ sq. in. to 1 sq. in.	1 sq. in. to 2 sq. in.	2 sq. in. and over.	
Under 1 year	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 to 5.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5 to 10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10 to 15.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15 to 25.....	...	...	...	...	2	...	2	...	...	2	1	1	...	...	...	2	10
25 to 60.....	3	...	1	...	2	1	1	...	1	2	4	...	...	...	3	...	18
60 & upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals...	3	...	1	...	4	1	3	...	1	4	5	1	...	...	3	2	28

TABLE C.—Analysis of Marks and Quality of Vaccination of the Primarily Vaccinated Cases that Died, in Age Periods.

Age Periods.	1 Mark.				2 Marks.				3 Marks.				4 Marks.				Totals.
	Total area under ½ sq. inch	½ sq. inch to 1 sq. inch	1 sq. inch to 2 sq. ins.	2 sq. ins. and over.	Total area under ½ sq. inch	½ sq. inch to 1 sq. inch	1 sq. inch to 2 sq. ins.	2 sq. ins. and over.	Total area under ½ sq. inch	½ sq. inch to 1 sq. inch	1 sq. inch to 2 sq. ins.	2 sq. ins. and over.	Total area under ½ sq. inch	½ sq. inch to 1 sq. inch	1 sq. inch to 2 sq. ins.	2 sq. ins. and over.	
Under 1 Yr.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 to 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5 to 10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10 to 15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15 to 25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25 to 60	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	2
60 and upwards.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	2

SMALL POX.

TABLE D.—Severity of Attack, with Condition as to Vaccination and Area of Vaccination Cicatrices.

Severity of Case.	Cases presenting no vaccination Cicatrix or Cicatrices			Total area under ½ sq. inch.			½ sq. inch to 1 sq. inch.			1 sq. inch to 2 sq. inch.			2 sq. inch and over.			Total Number Attacked	Total Deaths.	Fatality per cent.
	Total Cases.	Recovered.	Died.	Total Cases.	Recovered.	Died.	Total Cases.	Recovered.	Died.	Total Cases.	Recovered.	Died.	Total Cases.	Recovered.	Died.			
Discrete	13	...	...	6	...	...	3	...	...	8	...	...	3	...	...	33	...	...
Semi Confluent	4	...	...	1	...	...	2	...	...	1	...	...	...	...	...	8	...	...
Confluent	2	...	1	1	...	...	...	...	...	2	...	1	...	...	...	5	2	40·0
Hæmorrhagic...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	1	1	100·0
Totals ...	19	...	1	8	...	...	5	...	...	12	...	2	3	...	...	47	3	6·3

No. 20.—The following TABLE gives the NUMBER OF ADMISSIONS INTO THE HOSPITALS of the Urban Sanitary Authority from 1886 to 1905.

Diseases.	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905
Plague	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	6	...	...	...	...
Cholera.....	...	...	...	...	...	...	2	12	...	...	...	...	...	...	...	...	...	...	...	...
Small Pox.....	...	9	150	6	22	2	10	178	34	4	4	7	4	800	104	3	10	98	86	47
Measles.....	3	4	...	31	4	13	12	24	21	...	2	7	5	5	1	5	5	...	6	3
Scarlatina.....	251	351	323	198	114	77	192	286	291	494	400	481	221	285	336	295	382	219	275	331
Diphtheria	5	4	5	4	11	11	13	9	10	12	2	...	...	2	10	57	202	183	164	224
Whooping Cough	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhus Fever ...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhoid Fever...	4	9	8	55	33	55	36	210	86	98	97	67	86	80	60	94	85	40	121	62
Chol. Diarrhœa ..	...	...	...	...	...	...	...	7	...	...	...	...	1	...	...	...	...	...	...	...
Diarrhœa	2	...	...	...	...	...	7	5	...	1	...	...	...	...	...	...	...	...	...	...
Croup	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	8	1	1	1	1	...	...	...	...	...	...	...	...	...	...	...
Dysentery.....	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Beri Beri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...
Isolation	...	...	...	17	12	7	9	6	1	1	2	...	4	7	7	26	64	74	104	122
Totals	265	377	487	314	204	168	284	738	444	610	507	562	321	1179	518	486	748	616	756	789

Sanatorium Extension.

The new Isolation Blocks at the Sanatorium have been completed, and since the close of the year have been furnished and made ready for occupation. They will form a valuable addition to the other existing buildings, being specially adapted for the admission of suspicious and undefined cases of infectious disease; and secondly, for the isolation and treatment of patients who, after admission for a specific disease, develop another disease which had been incubating before or at the time of removal.

Accidents, &c.

One hundred and eighteen lives were lost by accident or negligence, as against 106 in 1904, and 113 in 1903.

The number of deaths by drowning was 25, as against, 40 in 1904, and 28 in 1903.

Inquests.

The number of deaths which have formed the subject of a Coroner's inquiry was 329, as against 347 in 1904, and 297 in 1903. The Coroner also investigated the circumstances attending the deaths of 40 persons (22 males and 18 females), in which he did not consider it necessary to hold inquests.

The following table shews the number of Inquests held and the months in which they have occurred :—

	Males.	Females.	Total.
January ..	23	26	49
February ..	19	12	31
March	17	20	37
April	10	11	21
May	22	9	31
June	13	5	18
July	11	5	16
August	17	8	25
September ..	18	7	25
October ..	15	8	23
November ..	17	13	30
December ..	13	10	23
	195	134	329

Cancer.

Cancer contributed 205 deaths, as against 221 in 1904 and 190 in 1903, being equal to a rate of 0·79 per 1,000 per annum, the disease being most fatal between the ages of 25 and 65.

Phthisis.

Two hundred and fifty-one deaths from Phthisis were reported, as against 308 in 1904, and 261 in 1903.

Notification and Treatment of Consumption.

On Thursday, the 19th October, an important Conference, convened by the Hull Sanitary Committee, and attended by representatives from the East Riding Sanitary Authorities, the Hull Incorporation of the Poor, and the Sculcoates Guardans, was held in the Town Hall, Hull, to consider the question of the notification and treatment of Consumption.

Addresses were delivered on "The duties of Public Health Authorities in relation to the prevention and spread of tuberculosis," and "Sanatoria treatment of Consumption." These were followed by a discussion, at the close of which the following resolutions were passed :—

> That the various Sanitary Authorities represented here to-day, as also any Urban or Rural District Council of the East Riding not so represented, be recommended :—
>
> (1) To adopt a system of compulsory or voluntary notification of Consumption, with a view to preventing the spread of the disease ;
>
> (2) To secure the adoption of bye-laws preventing spitting in public conveyances or places of public resort.
>
> (3) To carry out a vigorous inspection of (*a*) all cowsheds and dairies, for the purpose of detecting animals affected with tuberculosis ; and (*b*) meat and other food supplies ; and
>
> (4) To take measures as to the proper housing of the people so far as regards the erection of new dwellings and the dwellings now in existance.

As a result of this Conference voluntary notification of Consumption was adopted, and came into operation in this city on the 30th November, 1905.

The investigation of all cases notified is undertaken by the Midwives' Inspector, and printed precautions against the spread of the disease are freely distributed.

Midwives Act, 1902.

During the year Miss Mabel Harrison, L.O.S.: A.R.S.I., was appointed to carry out the provisions of the above Act, and entered on her duties on the 1st March.

In the course of her investigations it has been ascertained that 101 women were pursuing the calling of Midwives in the City.

Thirteen of that number have received hospital training, and certificates, from a recognised body, approved as a training school, by the Central Midwives' Board.

Forty-five are certified *bona fide* midwives, who have had no training, and passed no examination, but a certificate has been granted to them by the Central Midwives' Board in recognition of their having been in *bona fide* practice at least one year previous to the passing of the Midwives Act, 1902. No further certificates will be granted except by examination.

Forty-three have not received the certificate of the Central Midwives' Board, and are therefore prohibited from taking the title of midwife or in any way implying they are persons recognised by law to practice as such, but under those conditions may so continue to practice till 1910. After that date they are entirely prohibited "habitually and for gain attending women in child-birth, except under the direction of a qualified Medical Practitioner,"

The following statistics show the condition and method of practice of sixty-four midwives, on the first visit of inspection, and who applied for enrolment :—

	No.	Per Cent.
Do not wear washing dresses	43	67·1
Cannot read or write	9	14·06
Over 65 years of age	14	21·8
Very dirty habitually	5	7·8
Without knowledge of antiseptics ..	47	73·4
Intemperate	8	12·5

On the Act coming into force the hospital-trained midwives were wearing washing dresses, using antiseptics, and carrying the necessary appliances required by the Central Midwives' Board, and their method of work and the sanitary condition of their homes was very satisfactory.

The *bona-fide* midwives now practising have obtained and are wearing washing dresses, using antiseptics, and carrying the appliances required by the Central Midwives' Board Rules, and though a special bag has not been insisted upon all the bags are lined with washable material, and have washable bags containing the appliances.

All the midwives are keeping the necessary register of cases, help being given when required.

Under the Rules of the Central Midwives' Board, the midwife must notify to the Local Supervising Authority all cases of—

> "Death of the mother, or child, if it occurs before the attendance of a registered medical practitioner," all cases of "Still-birth," and all cases in which it is necessary for her to obtain "Medical help."

For the notification of "Death" and "Still-birth" "Forms" have been supplied, in book-form, to the midwives by the Local Supervising Authority, for the notification of "Medical help" a book of forms was issued by the Central Midwives' Board, and each midwife has obtained a copy.

On an average each Midwife's Register of Cases, bag and appliances is inspected and the sanitary condition of the house noted, once a month, though at first, in some cases, it was found necessary to visit more frequently.

Supervision has been specially given with regard to the cleanliness of the midwives and their homes, and an endeavour is made to educate them up to the precautions to be taken during delivery and the lying-in period. An outline is also given of how puerperal fever originally originates, that they may know the reason for the precautions they are required to take.

The use of the various appliances is explained and instruction especially given with regard to antiseptics and the use of the clinical thermometer. The rules of the Central Midwives' Board are explained when the midwife is unable to read, and any breach of the rules is investigated, and pointed out to the midwife with warning.

Advice is given as to the careful washing and feeding of the infant during the first few weeks of life.

All cases of "Death of Infant," "Still-births," "Neglect of Infant," "Neglect of Midwife," notified, have received very careful investigation.

In no case has wilful neglect been proved.

Letters were sent to nine midwives requesting them to conform to the rules of the Central Midwives' Board by obtaining the necessary appliances. Eight at once complied with the request. In one case, by formal notice sent by your Medical Officer of Health, the midwife was summoned to appear before the Committee for failure to comply, but satisfactory evidence was produced, showing cause why she should not be suspended, and she was accordingly discharged with a caution.

Letters were sent to two midwives drawing their attention to a breach of the rules. An apology was received in both cases and there has been no occasion to warn them further.

One letter was sent requesting an uncertified person to discontinue taking the " title of midwife " and to remove the plate from her door.

The request was complied with.

Though there is still much to be done the general condition of the midwives, their homes and their method of working is considerably improved and intemperance somewhat abated, and all the midwives are apparently, to the best of their ability carrying out the rules of the Central Midwives' Board.

The work has met with very little opposition, the midwives generally receiving very kindly the supervision that the Act has imposed upon them, each offering every facility for inspection, and many seeking help or advice during the office hours placed at their disposal.

The following registers, forms and memoranda are in use :—

Register of Inspections.
Register of " Still-birth " and " Death."
Register of midwives who have notified their intention to practice.
Register of puerperal fever cases.
Register of daily visits.
Forms of notification, memoranda.
Returns of burial of still-births from Corporation cemeteries.
Instructions to midwives.
Instructions as to the " Care and feeding of infants."

NUMBER OF VISITS PAID FROM MARCH 1ST TO DECEMBER 31ST, 1905.

Month.	Date.	Inspections.	Puerperal Fever.	Death of New-born Infants.	Still-births.	Neglect of Infants.	Neglect of Midwife.	Uncertificated women taking title of Midwife.	Other Visits.	Total.
March April	1st to 15th	48	2	2	9	..	..	..	104	165
April May	15th to 17th	20	2	2	9	1	..	..	98	132
May June	17th to 15th	44	..	..	4	..	1	1	82	132
June July	15th to 21st	48	2	2	13	..	..	..	111	176
July August	21st to 18th	33	..	..	4	2	..	..	119	158
August September	18th to 22nd	43	3	..	7	2	..	..	112	167
September October	22nd to 20th	16	1	1	7	..	..	..	33	58
October November	20th to 17th	35	2	2	12	..	..	..	74	125
November December	17th to 30th	35	8	1	19	..	..	..	136	199
								Complete Total ..		1312

FROM MARCH 1ST, TO DECEMBER 31ST, 1905.

	Puerperal Fever Cases, Classified.	No.	Per Cent.
1	Cases attended by Medical Practitioners	7	3·5
2	Cases attended by Hospital Trained Midwives	2	1·0
3	Cases attended by *Bona-fide* Midwives	8	4·0
4	Cases attended by "Handy" Women	2	1·0
5	No details obtainable	2	1·0
6	Mortality	3	1·5

Sanitation.

During the year eight thousand two hundred and forty-two houses have been examined in the house-to-house inspection. Three thousand and eighty-two visits and inspections have been made to ascertain if works ordered by notices were in progress and to examine houses respecting which complaints had been received.

In addition to the foregoing ordinary work carried out by the seven District Inspectors, four other Officers have been specially detailed to make a house-to-house inspection in the poorer localities of the city, the number of houses inspected being 10,979, resulting in 921 notices being served for the abatement of nuisances discovered. Three thousand five hundred and thirty-three re-inspections have been made to ascertain if the notices served had been complied with.

Two thousand two hundred and eighty seven visits have been made to Common Lodging Houses, including two thousand one hundred and forty-four day and one hundred and forty-three night visits.

Seven hundred and thirty-six visits have been made to Seamen's Lodging Houses, including seven hundred and nine day and twenty-seven night visits.

Two thousand seven hundred and seventy-three cases of infectious disease were investigated, seven hundred and thirty-three patients were removed to the hospitals from the City, and two thousand two hundred and seventy-four houses disinfected.

Removal of Human Remains from the Hope Street Congregational Church.

In pursuance of a licence received from the Secretary of State for the removal of the human remains interred in the Hope Street Congregational Church, I beg to report that from the 4th to the 29th September the remains of 227 bodies were disinterred from under or about the area of the said church.

The coffins and remains were placed in well pitched shells and surrounded with newly made vegetable charcoal, and re-buried in the Western cemetery.

The removals were carried out in accordance with the conditions set forth in the licence, which are as follows :—

(1) That the removals be effected with due care and attention to decency early in the morning.

(2) That freshly made ground lime be freely sprinkled over the coffins, the soil, or any matter that may be offensive.

(3) That the remains be forthwith re-interred in the Western Cemetery, Hull, and

(4) That the removals be effected under the supervision and to the satisfaction of the Medical Officer of Health for the City of Hull.

The work of exhumation, removal and re-interment of the remains, was carried out under the supervision of inspectors R. Martin and A. Rowland.

Housing of the Working Classes Acts, 1890-1903.

During the year the steady application in working these important Acts in regard to dwelling-houses unfit for human habitation has been maintained, and has resulted in the total demolition of one hundred and eighteen dwelling-houses.

Twenty-one structural alterations of dwelling-houses or conversions into warehouses, &c., were allowed to be carried out by the owners, and it was found necessary to obtain Magistrates Closing Orders for the compulsory closure of fifteen dwelling-houses. Also seventy-one dwelling-houses have been surveyed and represented to your Committee as being unfit for human habitation to be summarily dealt with under these Acts.

STATEMENT SHEWING THE NUMBER OF PROSECUTIONS UNDER THE HOUSING OF THE WORKING CLASSES ACTS, 1890 to 1903.

Date, 1905.	No. of Houses	Offence.	Result.
		HOUSES UNFIT FOR HUMAN HABITATION.	
March 17th	1	No. 20, Dinsdale Square, New George Street	Closing Order with Costs.
April 5th	2	Nos. 3 and 4, Chapel Place, Scott Street.....	Closing Orders with Costs.
May 1st.....	1	No. 22, Scott Street	Closing Order with Costs.
Sept. 28th	3	Nos. 14 and 15, Aldbro' Street and No. 1, Emma's Court, Aldbro' Street	Closing Orders with Costs.
Oct. 24th	7	Nos. 1, 2, 3, 4, 5, 6 and 7, Stewarts Yard, High Street...	Closing Order with Costs.
Dec. 22nd	1	No. 3, King's Place, Dock Street	Closing Order with Costs.
Total...	15	Houses	

STATEMENT SHEWING POSITION AND DATE OF DEMOLITION OF DWELLING-HOUSES.

Under the Housing of the Working Classes Acts, 1890 to 1905.

Date, 1905.	No. of houses demolished.	Situation.
January 24th	23	Nos. 1 to 22 inclusive, Providence Place, Finkle Street, and No. 21 Finkle Street.
,, ,, ...	2	Nos. 7 and 8. John's Square, New George Street.
,, ,, ...	3	Nos. 1, 2, 3, George's Place, John's Square, New George Street.
February 21st	6	Nos. 1 to 6 inclusive, James' Place, John's Square, New George Street.
,, ,, ...	2	Nos. 11 and 12, John's Square, New George Street.
March 21st	4	Nos. 31 to 34 inclusive, Aldbro Street.
,, ,, ...	2	Nos. 1 and 2, Drew's Court, Aldbro Street.
,, ,, ...	2	Nos. 2 and 3, Brown's Court, Scott Street.
,, ,, ...	2	Nos. 1 and 2, Chapel Place, Scott Street.
,, ,, ...	4	Nos. 3 to 6 inclusive, John's Square, New George Street.
,, ,, ...	6	Nos. 1 to 6 inclusive, Martha's Place, John's Square, New George Street.
,, ,, ...	1	No. 1, Marvel Court, Marvel Street.
May 2nd	2	Nos. 1 and 2, Nicholson's Square, Lockwood Street.
,, ...	4	Nos. 16 to 19 inclusive, Dinsdale Square, New George Street.
,, ...	4	Nos. 1 to 4 inclusive, King's Place, Dinsdale Square, New George Street.
June 20th	5	No. 61, Scott Street, and Nos. 1 to 4 inclusive, Providence Place, Scott Street.
October 17th	2	Nos. 1 and 2, Henry and John's Place, Scott Street.
December 19th	4	Nos. 5, 7, 9 and 11, Myton Street.
,, ,, ...	7	Nos. 1 to 7 inclusive, Paradise Court, Myton Street.
,, ,, ...	6	Nos. 8, 9, 8a, 9a, 10 and 11, Paradise Lodge, Myton Street.
,, ,, ...	2	Nos. 1 and 2, Banks Court, Blackfriargate.
,, ,, ...	6	Nos. 9 to 14 inclusive, King's Place, Dock Street.
,, ,, ...	3	Nos. 2, 3 and 4, North Court, Dock Street
,, ,, ...	15	Nos. 1 to 6 and 8 to 16 inclusive, Vine Court, Gibson Street.
,, ,, ...	1	No. 59 Scott Street.
TOTAL...	118	Houses demolished.

Public Mortuary.

Table shewing the number of bodies admitted, inquests and post-mortems held, and funerals that have taken place from the Mortuary.

Month. 1905.	Bodies Admitted.			No. of Post-Mortems.			No. of Inquests.	No. of Funerals.	No. of Drowning cases.
	Males.	Females.	Total.	Males.	Females.	Total.			
January ...	19	20	39	17	19	36	38	6	4
February ...	10	8	18	7	8	15	17	2	2
March ...	16	18	34	12	16	28	34	5	2
April	6	9	15	5	8	13	14	3	2
May	16	7	23	16	6	22	23	6	5
June	9	4	13	8	4	12	13	3	0
July	5	5	10	3	5	8	10	3	2
August ...	12	6	18	11	6	17	18	4	1
September...	13	5	18	9	4	13	18	2	2
October ...	11	7	18	7	7	14	17	1	2
November ...	13	11	24	13	9	22	23	0	2
December ...	9	5	14	8	5	13	14	1	1
Totals...	139	105	244	116	97	213	239	36	25

TABLE SHEWING THE TOTAL NUMBER OF DEATHS FROM DROWNING DURING THE LAST TEN YEARS.

Year...	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	Total
Deaths	46 ...	34 ...	37 ...	26 ...	41 ...	20 ...	23 ...	28 ...	40 ...	25 ...	329

New Dwelling-Houses.

The number of dwelling-houses plans which were approved by the City Corporation during the year 1905 was 1561, as compared with 1708 in 1904 and 1659 in 1903.

Public Baths.

During the year two hundred and fifty-six thousand one hundred and eighty-eight persons have availed themselves

of the use of the Public Baths, particulars of which are given below.

TRIPPETT AND BEVERLEY ROAD.			MADELEY STREET.			EAST HULL.		
1887	..	42486	1887	..	42724		—	
1888	..	38494	1888	..	41213		—	
1889	..	55320	1889	..	51147		—	
1890	..	59465	1890	..	54195		—	
1891	..	61667	1891	..	48385		—	
1892	..	57986	1892	..	53275		—	
1893	..	57482	1893	..	58039		—	
1894	..	54831	1894	..	61224		—	
1895	..	58767	1895	..	67307		—	
1896	..	54284	1896	..	59230		—	
1897	..	55861	1897	..	59627		—	
1898	..	56653	1898	..	61732		—	
1899	..	42659	1899	..	58524	1899	..	59431
1900	..	38417	1900	..	57059	1900	..	58041
1901	..	24910	1901	..	57790	1901	..	60549
1902	..	18806	1902	..	46748	1902	..	53540
1903	..	19795	1903	..	56891	1903	..	66230
*1904	..	Closed	1904	..	68550	1904	..	85097
1905	..	101249	1905	..	73704	1905	..	81235

* Trippett Baths closed 1904, and Beverley Road Baths opened 1905.

Flushing and Distribution of Disinfectants.

Four hundred and forty-two gallons of Disinfectant Fluid have been given to persons applying at the offices of the Sanitary Department.

Fifty-eight tons of disinfecting powder have been distributed during the process of the collection of excreta and house refuse, which was continued from time to time during the whole of the year.

Common Lodging Houses.

A systematic inspection of these houses has been carried out by your Inspector both by day and night, and special reports have from time to time been furnished to your Committee.

Food Inspection.

The system of Food Inspection in the City has been carried out during the past year by Mr. James McPhail, M.R.C.V.S., &c., Chief Food Inspector, with four assistants, whose duties include Meat Inspection, Fish and Fruit Inspection, Cowsheds and Dairies, and Cows therein also, and Inspection of all retail shops in the City, and the following is the report of work done.

Cowsheds and Dairies.

REPORT FOR THE YEAR 1905.

Number of	Cowsheds in use in the City ..	123
,,	Cows ,, ,, ..	1599
,,	Inspections made	695

44 Letters were sent *re* repairs, structural alterations, abatement of nuisances, contraventions of the Cowsheds and Dairies Orders, &c., &c., and 93 verbal cautions *re* dirty premises, overcrowding, &c., given.

7 Cowsheds were closed as being unfit for such purpose, and 6 Cowsheds are now used for other purposes.

61 specimens of Milk and Sputa were microscopically examined, 16 of which gave positive results as follows :—

8 specimens of Milk—Tubercle Bacilli.
3 ,, Sputa— do.
5 ,, Milk — Streptococcus of Suppurative Mammitis.

The above 11 animals affected with Tuberculosis were disposed of as follows :—

5 were slaughtered at a knacker yard.
4 ,, at a slaughterhouse and seized.
2 ,, removed outside the City.

The sale of Milk of the five cows affected with Suppurative Mammitis was stopped until they had fully recovered.

There were four prosecutions for contraventions of the Cowsheds and Dairies Orders, viz. :—

1—Unclean condition of dairy, fined £1, including costs.
1—Keeping pigs in cowshed, &c., fined £2, including costs.
2—Keeping cows in wood sheds not approved by this authority, fined 15s. and 10s., including costs respectively.

Work Done by Mutual Arrangement During 1905.

10778 Square feet of new pavement.
5 New waterclosets in lieu of privies.
795 Feet of new drainage.
16 New Gullies.
3 Intercepting traps.
4 Vent. shafts (to drains).
15 Vent. shafts (to cowsheds).
21 Ridge ventilators.
8 Fresh-air inlet ventilators.
16 New windows.
24 Glass tiles inserted in the roofs of two cowsheds.
2 New dairies.
10 Dairies made separate and distinct from the dwellings.
1 New cowshed (additional to existing cowshed).
6 Stables separated from cowsheds.
4 Manure pits re-built.
4 ,, repaired and reduced in capacity.
268 Feet of new spouting.
1 New borehole 110 ft. deep, and pump for fresh-water supply (domestic and cows).
1 Large cesspool filled in.
1 Cowshed provided with glazed sanitary feeding troughs.
1 Cowshed, all gullies removed outside.
2 ,, ventilators over manure pit bricked up.

Summary of Seizures during the Year.

	lbs.
Beef	137148½
Mutton	15080½
Pork	27302¾
Veal	8019
Cheese	70
Carried forward	187620¾

	lbs.
Brought forward	187620¾
Fruit	458847
Vegetables	360156
Fish	705110
Poultry, Game, &c.	31408
	1743141¾

The following tabluated statement shows the number of carcases, &c., seized during the year :—

	Beasts	Sheep	Pigs	Calves	Goats	Total
No. of Carcases	137½	126¼	186¾	95¾	1	547¼

Tuberculosis.—The Inspection of Carcases affected with this disease has been carried out upon the basis of the recommendation of the Royal Commission on Tuberculosis.

Number of seizures of animals affected with Tuberculosis :

Cows	58¾
Heifers	9½
Bullocks	18
Bull	1
Calves	4
Pigs	107½
Total	198¾

Bacteriology.

Total number of examinations made ..		79
Negative results		67
Positive results—		
e.g., Anthrax	2	12
Tuberculosis	5	
Septicæmia	1	
Malignant Œdema	4	

Cause of Seizure of Carcases, January 1st to December 31st, 1905.

No. of Beasts.	Description.	Cause of Seizure.
58¾	Cows	Tuberculosis
18	Bullocks	do.
9½	Heifers	do.
1	Bull	do.
1	Cow	Anthrax
1	Bullock	do.
1	Heifer	Black Quarter
2	Cows	Decomposition
1	Heifer	do.
1	do.	Gangrene
3	Cows	Malignant Œdema
1	Heifer	do.
1	Bullock	do.
2	Cows	Parturient Apoplexy
5	do.	Septic Pneumonia
1	Bullock	Pleuro Pneumonia
8	Cows	Septic Metritis
3	do.	Septicæmia
1	Bull	Septic Pericarditis
1	Cow	do.
1	do.	Septic Peritonitis
1	Heifer	do.
2	Cows	Enteritis & Peritonitis
1	Cow	Acute Nephritis
1	Heifer	do.
1	Bullock	Emaciation
1	do.	Septic Arthritis
1	Cow	Anasarca
1	Bullock	Pyaemia
1	Cow	Atrophy of Liver and Jaundice
1	Heifer	Traumatic Peritonitis
1¼	Cows	Traumatism
1	Bullock	do.
1½	do.	Bone Taint
½	do.	Atrophy
1	do.	Purpura Hæmorrhagiea
137⅓	Beasts	

No. of Sheep	Cause of Seizure.
33	Decomposition
21	Parturient
17	Anasarca
7	Peritonitis
6	Emaciation
5	Empyema
4½	Pleurisy
4	Rheumatoid Arthritis
4	Pyaemia
4	Traumatism
3	Fatty Infiltration
2	Suffocation
2	Malignant Œdema
2	Gangrenous Pneumonia
1¾	Atrophy
1	Leucocythemia
1	Gangrene
1	Nephritis
1	Gangrenous Mammitis
1	Dog Worried
1	Tetanus
1	Pneumonia
2	Distmatosis and Emaciation
1 Live Lamb	Parasites and Emaciation
126¼	Sheep

No. of Pigs.	Cause of Seizure.
107½	Tuberculosis
10	Jaundice
9	Rickets
9	Anasarca
8	Decomposition
5	Arthritis
5	Swine Erysipelas
3¼	Traumatism
3	Ascites
3	Liver Disease and Jaundice
4	Pleurisy and Peritonitis
1	Nephritis and Dropsy
4	Liver Disease and Dropsy
3	Pneumonia and Amyloid Liver
1	Broncho Pneumonia
1	Gangrenous Pneumonia
1	Malignant Œdema
2	Hydrothorax
1	Septic Peritonitis
1	Liver Disease and Peritonitis
3	Enteritis and Peritonitis
1	Pericarditis and Peritonitis
1 Live Pig.	Pneumonia
186¾	Pigs

No. of Calves.	Cause of Seizure.
4	Tuberculosis
18¼	Decomposition
14	Immature
18	Septic Arthritis
7	Dropsy
5	Pleurisy
4	Emaciation
5	Jaundice
3	Pneumonia
4	Peritonitis
2½	Traumatism
2	Anasarca
2	Amyloid Kidney and Dropsy
1	Phrenitis
1	Pylo-Nephritis
2	Nephritis
1	Multiple Disseminated Necrosis
1	Cirrhotic Liver and Dropsy
1	Symptomatic Anthrax
95¾	Calves.

No. of Goats.	Cause of Seizure.
1	Emaciation
1	Goat

MEAT.

TABLE No. III.—Shewing the Cause of Seizure and the Results of Legal Proceedings, &c.

Date. 1905.	Description.	Cause of Seizure.	Proceedings		Results.
			Reported to Sanitary Committee.	Referred to Town Clerk.	
Jan. 13	Pig Carcase	Tuberculosis	1	1	No action taken.
,, 16	Live Pig.....	Pneumonia	1	1	Do.
,, 25	Pig Carcase	Tuberculosis	1	1	Do.
Feb. 2	Pig do.	Do.	1	1	Do.
,, 3	Fowl	Do.	1	1	Do.
,, 14	45 lbs. Salt Beef.....	Decomposition.....	1	1	Do.
,, 22	Pig Spleen and Mesentery	Tuberculosis.....	—	—	Warned by Letter
June 13	6½ lbs. Bacon.....	Decomposition	1	1	Fined £2 and costs.
Sep. 5	Live Lamb.....	Parasites and Emaciation ..	1	1	No action taken.
,, 25	Pig Carcase	Tuberculosis.....	1	1	Fined £1, including costs
Dec. 5 and 6	Heifer's Lungs, Liver, Sweet-bread, Stomach, and 22 lbs. Beef	Encapsuled Abscess	1	1	No action taken.

N.B.—In addition to the above, 84 lots of Meat or Offal were seized in illegal possession, and the owners were warned by the Visiting Inspector.

REPORT OF FRUIT, VEGETABLES, GAME, &c., SEIZED DURING THE YEAR, 1905.

Fruit.

1064	Barrels	Apples	178752 lbs.
1204	Packages	Pears	32330 ,,
170	Barrels	Grapes	10200 ,,
89	Cases	Oranges	12460 ,,
2	do.	Manderines	280 ,,
3232	Packages	Cherries	83856 ,,
1385	do.	Black Currants	33206 ,,
152	do.	Red do.	1768 ,,
371	do.	Apricots	11484 ,,
2622	do.	Plums	80604 ,,
85	Chips	Strawberries	425 ,,
8	do.	Rasps.	40 ,,
11	Pine	Apples	22 ,,
10	Packages	Gooseberries	784 ,,
15	Bunches	Bananas	840 ,,
4	Cases	Dates	320 ,,
87	Bags	Chestnuts	9740 ,,
18	Sieves	Medlars	504 ,,
32	Boxes	Cranberries	224 ,,
1	Bag	Brazils	280 ,,
4	do.	Walnuts	448 ,,
10	Sieves	Peaches	280 ,,
10576			458847 lbs.

Vegetables.

1768	Bags	Onions	194480 lbs.
741	Barrels	do.	103740 ,,
144	Bags	Silverskins (Onions) ..	16128 ,,
385	Crates	Tomatoes	12320 ,,
163	Bags	Red Cabbage	18256 ,,
9	Cases	Onions	1260 ,,
3210		Carried forward ..	346184 lbs.

3210		Brought forward ..	346184 lbs.
314	Deeps	Tomatoes	6280 ,,
220	Bundles	Horse Radish	2200 ,,
23	Flats	Cucumbers	1150 ,,
10	Bags	Gerkins	1120 ,,
9	do.	Black Radish	900 ,,
9	Hampers	Radishes	756 ,,
6	Barrels	Potatoes	672 ,,
8	Hampers	Lettuce	448 ,,
9	Bags	Broad Beans	396 ,,
2	Crates	Endive	50 ,,
3820			360156 lbs.

Total Weight.

	Tons.	cwt.	qrs.	lbs.
Fruit	204	16	3	11
Vegetables ..	160	15	2	20
Total	365	12	3	3

Game, &c.

1824	Geese	22400 lbs.
2286	Rabbits	6453 ,,
5400	Eggs	675 ,,
80	Bags Yeast	560 ,,
33	Hares..	330 ,,
101	Black Game	431 ,,
46	Chickens	184 ,,
119	Partridges	174 ,,
55	Grouse	83 ,,
30	Ptarmigan	45 ,,
4	Pheasants	20 ,,
18	Pigeons	18 ,,
5	Capons	25 ,,
1	Turkey	10 ,,
		31408 lbs.

Fish, &c.

Herrings	520044	lbs.
Mussels	52640	,,
Haddocks	28434	,,
Codfish	26264	,,
Catfish	23428	,,
Kippers and Dry Fish	8986	,,
Bream	4942	,,
Halibut	4550	,,
Fish Roes	4494	,,
Shrimps and Prawns	4340	,,
Salmon and Trout	3558	,,
Whitings	3528	,,
Skate and Rays	3080	,,
Winkles	2912	,,
Plaice	2520	,,
Dabs	2196	,,
Mackerel	1974	,,
Cockles	1288	,,
Snapper	1050	,,
Gurnetts	980	,,
Megerams and Witches	910	,,
Dories	840	,,
Soles	630	,,
Smelts	339	,,
Oysters	200	,,
Lobsters	168	,,
Coalfish	140	,,
Monk Fish	140	,,
Mixed Fish	305	,,
Sardines	83	,,
Eels	19	,,
	704982	lbs.

Total—314 tons 17 cwts. 0 qrs. 6 lbs.

Premises Inspected, 1905.

Slaughterhouses	6296	Inspections.
Butchers' and Provision Shops and Meat Factories	1056	,,
Cowsheds and Dairies	695	,,
Fish Shops and Stalls	1138	,,
Fish Curing Houses	429	,,
Fruit Shops and Warehouses ..	1244	,,
Fruit Markets	134	,,
Game Warehouses	1075	,,
Victoria Pier	179	,,
Fruit Steamers	424	,,
Total ..	12670	,,

Epizootic Disease.

There have been 2 outbreaks of Swine Fever, as against 6 in 1904. Nine animals have been affected, some of which died from the disease, and the remainder were slaughtered. Ten animals which had been in contact were not affected.

The whole of the affected animals were condemned, and the carcases removed to the Destructor for cremation.

DESTRUCTORS.

Refuse Destroyed in 1905.

Nature of Refuse.				Number of Cart loads dealt with at		Total Loads.
				East District Destructor.	West District Destructor.	
Ashes, Shop & Warehouse Refuse.				10572	23374	33946
Nightsoil				50	503	553
Market Sweepings				515	..	515
Damaged Fruit and Vegetables...				381	155	536
Eggs, Fish, &c.....				265	396	661
Condemned Meat				..	104	104
179		E.D.	W.D.	Total	179	118	297
	Dead Animals	152	1309	1461			
	Mattresses	2235	2256	4491			
	Fever Pails (Gontents of)	1039	3	1042			
	Baskets of Yeast	158	16	174			
Totals.....				1905..	11962	24650	36612
				1904..	10244	24032	34276
				1903..	10457	22897	33354

INFECTIOUS DISEASES (NOTIFICATION) ACT, 1889.

Adopted 1st February, 1890.

Months. 1905.	Cholera (English).	Small Pox.	Scarlatina.	Diphtheria.	Typhus Fever.	Typhoid Fever.	Puerperal Fever.	Continued Fever.	Relapsing Fever.	Croup.	Erysipelas.	Totals.
January	...	25	43	40	...	13	4	...	...	1	28	154
February	...	6	41	50	...	3	1	1	...	...	23	125
March	...	7	56	67	...	6	2	...	...	1	27	166
April	...	3	59	48	...	6	...	1	...	...	24	141
May.....	...	...	60	35	...	7	3	...	...	1	39	145
June	...	...	51	36	...	3	2	...	...	...	17	109
July.....	...	...	56	34	...	8	1	...	...	...	19	118
August	...	...	52	20	...	15	...	...	...	1	23	111
September ...	...	...	53	36	...	35	4	...	...	...	18	146
October	...	...	79	110	...	20	1	2	...	...	44	256
November ...	...	...	64	68	...	8	3	...	...	1	29	173
December ...	...	4	61	156	...	4	6	...	...	3	25	259
TOTALS ...	...	45	675	700	...	128	27	4	...	8	316	1903

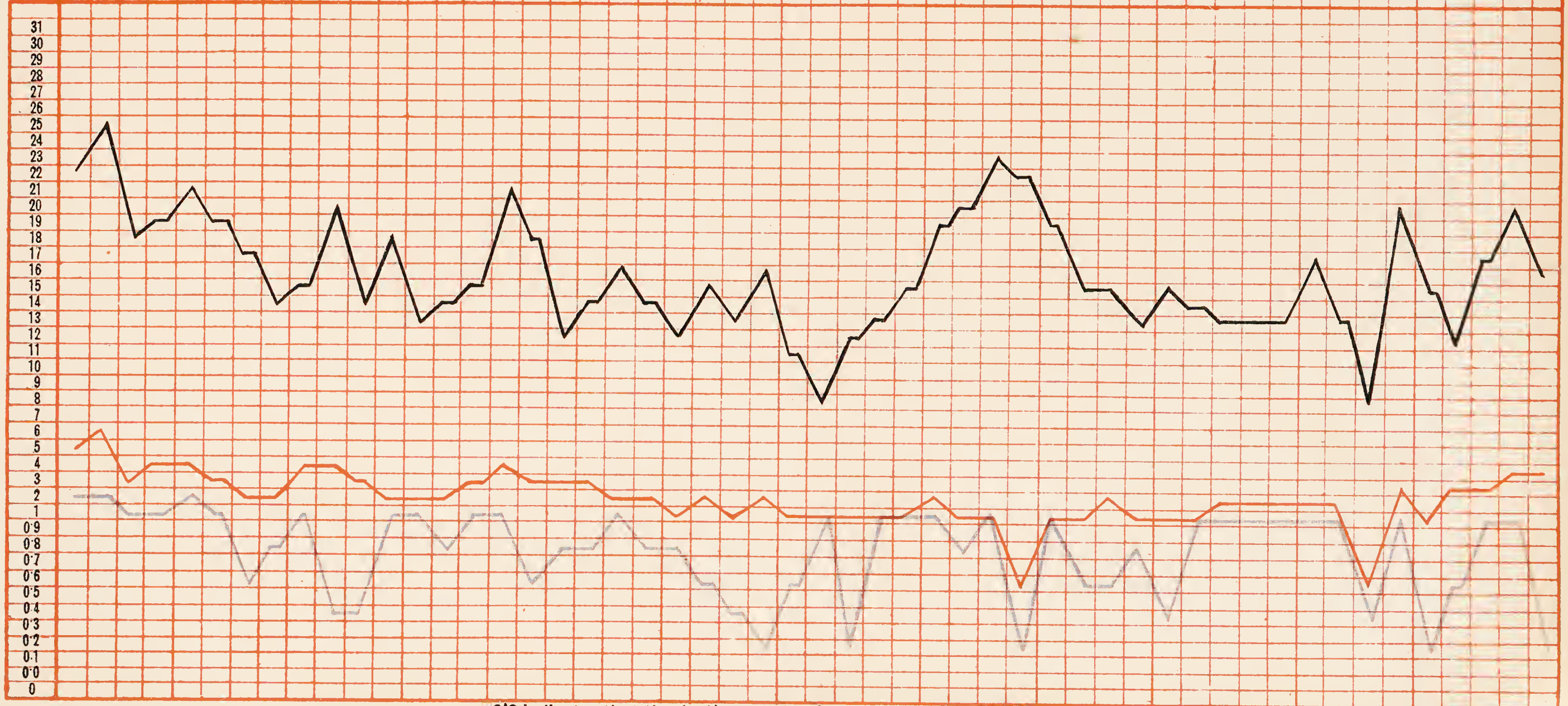
CHART showing the DEATH RATES per 1000 from DISEASES of the RESPIRATORY ORGANS, CONSUMPTION, and from all causes, together with the TEMPERATURE and RAINFALL in weeks.

DEATH RATES: All Causes — Respiratory Organs — Consumption —

TEMPERATURE.	JAN.				FEB.				MARCH.				APRIL.				
Maximum	54	49	42	50	52	51	55	47	47	53	58	55	58	55	58	53	60
Mean	41	41	33	37	49	40	43	37	38	43	47	43	47	41	47	42	48
Minimum	28	31	21	28	34	28	28	30	33	35	39	30	36	27	28	35	35
RAINFALL IN INCHES.	0·11	0·25	0·15	0·01	0·11	0·09	0·09	0·20	0·87	0·15	0·62	0·31	0·81	0·47	0·20	0·57	1·01

TEMPERATURE.	MAY.				JUNE.				JULY.					AUGUST.			
Maximum	60	69	64	68	79	69	72	75	78	80	85	79	75	72	72	74	74
Mean	47	51	50	50	59	52	57	60	58	61	68	63	62	62	60	58	60
Minimum	32	34	41	31	47	41	44	49	46	47	50	47	50	47	47	49	45
RAINFALL IN INCHES.	0·54	0·03	0·01	0·02	0·12	0·02	0·41	0·16	1·65	. .	0·02	1·01	0·53	0·72	0·21	0·46	1·10

TEMPERATURE.	SEP.					OCT.				NOV.				DEC.				
Maximum	70	68	68	69	60	58	63	54	54	54	50	49	49	52	53	47	52	45
Mean	57	66	54	54	47	47	49	41	42	45	44	38	37	40	41	40	42	38
Minimum	47	50	37	40	45	37	33	30	34	30	37	23	23·	36	32	31	35	32
RAINFALL IN INCHES.	0·55	0·86	0·04	0·02	0·21	0·46	0·60	0·36	0·45	0·65	0·78	0·65	0·20	0·80	0·09	0·01	0·02	0·30



0'0 indicates that the deaths were too few to give a rate of 0'005.

METEOROLOGY.

Meteorogical observations from the Observatory at Pearson Park (supplied by Mr. H. B. Witty, F.R., Met. Soc.; F.R.H.S.)

January.

Though there were a few fine days, yet generally it was cold, some severe frosts being experienced, while it was stormy at times, notably on the 11th and 15th p.m. Snow fell on the 1st, 9th and 16th and fog was prevalent on 5 occasions, and although sunshine recorded amounted to 21 hours, yet there were many sunless days. The rainfall was very light, viz., 0·62, the heaviest fall being 0·15 on the 11th. The mean maximum reading of the screen thermometer was 43° 6′; the highest was 54° on the 6th, and the lowest 34° on the 16th. The highest reading of the minima was 44° on the 4th and 8th, and the lowest 21° on the 20th, having a mean of 33° 6′. The solar maxima mean reading was 54° ·9′. The gross minima was frequently low, the highest being 40° on the 8th and the lowest 16° on the 19th; the mean was 28° 8′, on 22 occasions it was at or below freezing point. The highest barometer reading was 30·898 on the 28th, and the lowest 29·188; the absolute mean for the period was 30·233. The mean earth temperature at 1 foot deep was 36° 7′, and at 4 feet deep 43°. The winds were principally westerly, but it was in the latter part frequently calm p.m.

February.

The weather was somewhat variable and often dull and cold, although a few bright periods of sunshine were recorded, totalling 46 hours. It was stormy on the 1st and occasionally squally. Falls of snow or sleet occurred on the 11th, 12th, 20th and 27th, and fog was noted on the 7th, 8th and 15th. Hail fell on the 19th. The heaviest rainfall was 0·42 on the last day; the total for the period was 1·16. The highest reading of the screen maxima was 55° on the 18th and the lowest 35° on the 12th, having a mean of 45° 6′. The readings of the screen minima were highest, 44°, on the 5th and 6th, and the lowest, 28°, on the 8th and 12th, the mean being 35° 6′.

The solar maxima at 4 feet high had a mean of 69°. The highest grass minima was 39° on the 6th and the lowest 18° on the 8th, the mean being 29°. The highest reading of the barometer was 30·618 on the 22nd and the lowest 28·958 on the 27th, the mean for the period being 30·124. The earth temperature at 1 foot had a mean of 38° and at 4 feet deep 41° 9′, the winds being frequently northerly.

March.

Generally the weather was mild and open with several periods of bright sunshine to record. It was occasionally squally, with showers, and stormy on the 15th, the winds being chiefly south or south westerly. Some beneficial rains fell, the greatest amount being 0·58 on the 28th, the result of 19 days' measurements being 2·05. The duration of bright sunshine was 83 hours. Hail fell on the 12th and fog was noted on 4 dates. The temperatures improved considerably, the highest reading of the maxima in the screen was 58° on the 18th and 28th, and the lowest 43° on the 1st, having a mean of 51°. The highest reading of the screen minima was 42° on 3 occasions; the lowest was 30° on the 19th, the mean being 37°. Of the solar maxima the mean was 87°, while the ground minima had a mean of 30°, the highest of which was 38° on the 5th and 26th, the lowest being 23° on the 20th. The highest barometer reading was 30·316 on the 3rd and the lowest 28·926 on the 15th, the mean for the period being 29·720. The mean temperature of the earth at 1 foot deep was 41° and at 4 feet deep 42°.

April.

Extremely variable and at times very unsettled; there were frequent squalls, with sleet, hail and rain. Snow fell on the 7th. The winds, though generally moderate a.m. and p.m., were fairly strong midday. Fog was noted on the 17th, but it was somewhat misty and hazy at times. On 20 days rain fell, on several of which it was considerable; the total was 2·44. The sunshine recorded amounted to 81 hours. There was very little improvement in the air temperature.

The highest reading of the screen maxima was 60° on the 28th, and the lowest 42° on the 19th, the mean being 51° 8′. The highest reading of the screen minima was 47° on the 27th and 28th, and the lowest 27° on the 8th, the mean being 38°. The mean reading of the solar maxima was 95°. The mean reading of the grass minima was 33° ; on 14 occasions it was at or below 32°. The highest barometer reading was 30·272 on the 1st and the lowest 29·314 on the 30th, having a mean of 29·881. The mean temperature of the earth at 1 foot deep was 44° 5′ and at 4 feet deep the same.

May.

Some low night temperatures were experienced in the earlier part of the month, and a severe frost on the 23rd, with some sleet and hail on the 22nd ; otherwise some very fine spring weather prevailed, some of the days being very hot and very dry. The rainfall was 0·51, and with one or two exceptions the weather was very mild. The temperatures were much improved on the previous month, the highest of the maxima readings being 79° on the 28th and the lowest of such 49° on the 5th and 21st ; the mean was 59° 7′. The highest reading of the minima in the screen was 55° on the 28th and the lowest 31° on the 23rd, having a mean of 42° 8′. The mean solar reading was 105°, while the highest of the grass minima amounted to 50° on the 28th and the lowest 24° on the 23rd, the mean being 36°. The highest reading of the barometer was 30·568 on the 5th, and the lowest 29·312 on the 1st, the mean being 30·203. The increased solar heat gave a reading of the earth temperature at 1 foot of 51° and at 4 feet 48° for the greater part of the period the winds were northerly, but frequently calm.

June.

Very fine weather prevailed generally throughout the month, with an exceptional amount of bright sunshine. Many very bright days, with a few somewhat cool nights, were experienced ; towards the end of the month thunder was heard,

and some good rains recorded, the greatest amount being 0·94 on the last day, the total being 2·28. The great heat on several days was oppressive, being sultry on the 17th. The highest reading of the screen maxima was 78° on the 27th and the lowest 54° on the 7th, having a mean of 66° 5′. The highest reading of the minima in the screen was 58° on the 28th and the lowest 41° on the 10th, the mean for such being 49°. The mean reading of the solar maxima was 115° 9′. The highest reading of the grass minima was 54° on the 30th and the lowest 34° on the 5th, having a mean of 44°. The barometer mean reading was 30·064, the highest being 30·522 and the lowest 29·768. The mean temperature of the earth at 1 foot deep was 59° and at 4 feet deep 53°.

July.

The very fine weather experienced during the previous month continued throughout this month, there being some exceptionally bright days. At times it was very hot and occasionally oppressive and sultry, the whole month being notable for its many fine clear days. The total sunshine recorded was 155 hours, while the rainfall, measured on 9 days, totalled 1·60; the fall of the 22nd measured 0·82. The highest reading of the screen maxima was 85° on the 14th, while the lowest was but 67° on the 6th and 28th, the mean being 73°. Of the minima in the screen the highest reading was 64° on the 12th and the lowest 47° on the 4th and 19th, having a mean of 54°. The mean reading of the solar maxima was 120° 7′. The highest reading of the grass minima was 59° on the 12th and the lowest 38° on the 19th, having a mean of 44°. The highest reading of the barometer was 30·360 on the 3rd and the lowest 29·810 on the 30th, the mean for the period being 30·107. The mean temperature of the earth at 1 foot deep was 63° and at 4 feet deep 57° 6′.

August.

Somewhat unsettled weather was experienced, yet there were a few bright intervals, although the winds were much

stronger in force, chiefly a.m., it being frequently calm p.m. It was stormy on the 5th and 9th, with thunder; a strong gale was felt on the 19th, while on several days it was squally, with rain, which was measured on 21 days, totalling 2·73. The temperatures were fairly well maintained. The highest reading of the screen maximum was 74° on the 14th and 21st, and the lowest 60° on the 28th and 30th; the mean was 66° 6′. The highest reading of the minimum in the screen was 58° on the 4th and 6th, and the lowest 45° on the 25th, the mean being 51° 8′. The highest solar maxima was 126° on the 14th, the mean being 106° 5′ for the period. The highest reading of the grass minima was 52° on several occasions, and the lowest 38° on the 17th, having a mean of 46°. The highest reading of the barometer was 30·326 on the 13th, and the lowest 29·370 on the 28th, having a mean of 29·917. The total sunshine recorded was 131¾ hours. The earth temperature at 1 foot deep had a mean of 59° 6′, and at 4 feet 58°.

September.

The weather generally was fine, with moderate winds, which were usually stronger a.m., with many calm nights. The rainfall was low, viz., 1·44, which fell principally on 5 dates. It was freqently cool p.m. towards the end of the month, yet there were several mild days during the period. Although the mean temperatures were falling and the sunshine less the amount recorded was 96 hours; a dense fog occurred a.m. on the 18th. There was no thunder or lightning recorded. The highest reading of the screen maxima was 70° on the 2nd, and the lowest 53° on the 30th, the mean being 62° 6′. The highest reading of the screen minima was 56° on the 3rd, and the lowest 37° on the 15th, giving a mean of 47° 8′. The solar maxima was fairly good until the end of the month; the mean reading was 98° 9′. The mean grass minima was 40° 8′, the highest reading being 52° on the 3rd, and the lowest 28° on the 15th. The highest reading of the barometer was 30·424

on the 17th, and the lowest 29·536 on the 10th, having a mean reading of 30·029. The mean temperature of the earth at 1 foot deep was 55° and at 4 feet deep 56° 6′.

October.

The weather during this month was somewhat unsettled, the winds being chiefly northerly, with frequent falls of rain. The temperatures fell considerably, although there was a fair amount of sunshine recorded, viz., 75 hours. This fall in temperature was from the 12th to the end, during which hail and sleet occasionally fell. It was squally, with rain, on a few dates and stormy p.m. on the 13th. There was some slight mist on the 7th, 11th and 12th, but no fog. The highest reading of the maxima in the screen was 63° on the 9th, and the lowest 48° on several dates, the mean being 51° 9′. The highest reading of the minima in the screen was 49° on the 10th, and the lowest 30° on the 17th, while the solar maxima had a mean of 82°. The highest reading of the grass minima was 47° on the 10th, and the lowest 21° on the 17th; the mean for which was 32° ; on 19 nights it was at or below 32°. The highest reading of the barometer was 30·600 on the 10th, and the lowest was 29·154 on the 31st, having a mean of 30·032. The mean temperature of the earth fell to 46° 6′ at 1 foot deep and to 52° 5′ at 4 feet deep.

November.

Exceptionally dull weather prevailed throughout the month, the amount of bright sunshine recorded being very low, viz., 19½ hours. Rain fell on 22 days and totalled 2·95. Fog, too, was prevalent on 7 occasions, being dense on the 1st, 4th, 18th and 21st, while hail fell on the 15th and 16th and several severe frosts were experienced from the 16th to the 22nd. There was some sleet on the 15th and 19th, the temperature of the air being much lower, as the highest recorded of the screen maxima was but 52° on the 2nd and 26th, while the lowest was 31° on the 18th ; the mean for the period

was 45° 7′. The highest reading of the minimum thermometer in the screen was 44° on the 12th, and the lowest 23° on the 18th and 19th, having a mean of 36°. From the many sunless days the mean solar reading was 57°, while that of the grass minima was 31°, the highest reading being 44° on the 30th, and the lowest 19° on the 18th and 20th; on 18 dates this temperature was at or below freezing point. The highest reading of the barometer was 30·302 on the 18th, and the lowest 28·868 on the 26th, the mean for the period being 29·723. The mean temperature of the earth at 1 foot deep was 41° and at 4 feet deep 47° 5′.

December.

For this period there were several very mild days, otherwise the weather was very cloudy and dull, sunshine only being recorded on 4 days, with a total of 5 hours. It was frequently misty with occasional haze, and at times cold p.m. The winds were mostly south or south-west and fairly moderate. The rainfall was very low, viz., 0·41. Hail fell on the 30th; fog was dense on the 1st and noted on the 16th and 17th, while there was slight mist occasionally. The highest reading of the maximum in the screen was 53° on the 7th, and the lowest 38° on the 31st, having a mean of 44° 7′. The highest reading of the minima in the screen was 44° on the 21st, and the lowest 30° on the 31st, the mean being 36°. The mean reading of the solar thermometer being 55°. The highest reading of the grass minima was 40° on the 7th, and the lowest 22° on the 13th, having a mean of 31° 8′, it being at or below freezing on 16 occasions. The highest reading of the barometer was 30·898 on the 12th and the lowest 29·346 on the 29th, the mean being 30·228. The mean temperature of the earth at 1 foot deep was 39° and at 4 feet deep 44° 5′.

APPENDIX

TO THE

Report of the Medical Officer of Health.

1905.

DEATHS FROM ZYMOTIC DISEASES.—STREET LIST.

DRYPOOL.

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhœa
Arundell Street	0	1	1	0	0	0	3
Balfour Street	0	0	0	0	1	0	4
Barnsley Street	0	0	0	1	4	1	6
Beaumont Street	0	0	0	0	0	0	1
Beeton Street	0	0	0	0	0	0	1
Belmont Street	0	0	0	1	0	0	1
Berkshire Street	0	0	0	0	0	0	1
Bright Street	0	0	0	1	0	0	0
Buckingham Street	0	0	0	1	1	0	3
Burleigh Street	0	0	0	0	0	0	1
Church Street	0	0	0	0	0	0	1
Churchill Street	0	0	0	0	0	0	1
Courtney Street	0	1	0	0	0	0	3
De la Pole Street	0	0	2	0	0	0	0
Durham Street	0	0	0	0	1	0	0
East Street	0	0	0	0	0	0	1
Ellis Street	0	0	0	0	0	0	1
Emily Street	0	0	0	0	0	0	1
Estcourt Street	0	0	0	1	0	0	0
Field Street	0	0	0	0	0	0	1

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhœa
Franklin Street	0	0	0	0	1	0	1
Great Union Street	0	0	0	0	0	0	1
Hedon Road	0	0	0	3	0	0	1
Holderness Road	0	0	0	0	0	0	1
Holland Street	0	1	0	0	2	0	2
Hotham Street	0	0	0	0	0	0	1
Hume Street	0	0	0	0	0	0	1
Kent Street	0	0	0	0	0	0	3
Lee Smith Street	0	0	0	0	0	0	2
Merrick Street	0	0	1	0	0	0	0
Mersey Street	0	0	0	1	0	0	1
Middleberg Street	0	0	1	0	0	0	0
Morrill Street	0	0	1	0	0	0	0
Naylor's Row	0	0	0	0	1	0	0
New Bridge Road	0	0	0	1	1	0	0
Nornabell Street	0	0	0	2	0	0	2
Pelham Street	0	0	0	0	1	1	1
Prospect Place	0	0	0	0	0	0	1
Raven Street	0	0	0	0	0	0	1
Rensburg Street	0	0	0	0	1	0	0
Rosmead Street	0	0	0	1	1	0	2
Rustenberg Street	0	0	0	1	0	0	0
Severn Street	0	0	0	1	0	0	1
Steynberg Street	0	0	0	1	0	0	0
Stubbins Street	0	0	0	0	0	0	1
Thomas Street	0	0	0	0	0	0	1
Victor Street	0	0	0	0	0	0	2
Waller Street	0	0	0	0	1	0	1
Warwick Street	0	0	0	0	0	0	1
Wentworth Street	0	0	0	0	0	0	1
Williamson Street	0	0	0	1	0	0	2
Woodhouse Street	0	0	0	2	1	0	0

SUTTON.

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhœa
Bedford Street	0	0	0	0	1	0	2
Chapman Street	0	3	0	0	0	0	2
Cheapside	0	0	0	1	1	0	0
Cleveland Street	0	0	0	0	1	0	1
Cornwall Street	0	0	0	0	1	1	1
Dalton Street	0	1	0	0	0	0	0
Dansom Lane	0	0	0	0	1	0	1
Durban Street	0	0	0	0	1	0	0
Hodgson Street	0	0	0	0	2	0	5
Hood Street	0	0	0	0	0	0	1
Howe Street	0	0	0	0	0	0	1
Hyperion Street	0	0	0	0	2	0	0
Jarvis Street	0	0	0	1	0	0	0
Jennings Street	0	0	1	0	0	0	0
Lime Street	0	0	0	0	0	0	2
Morley Street	0	1	0	0	0	0	0
Mulgrave Street	0	0	0	0	0	0	2
Pemberton Street	0	0	0	0	0	0	1
Poplar Street	0	0	0	0	1	0	0
St. Mark's Street	0	0	1	1	2	0	0
Spittle Street	0	0	0	0	1	0	0
Spyvee Street	0	0	0	0	0	0	3
Stoneferry Road	0	0	0	0	0	0	2
Sutton Bank	0	0	0	1	0	0	0
Withernsea Street	0	1	0	0	1	1	2
Witham	0	0	0	0	1	0	1

EAST SCULCOATES.

Aldbro' Street	0	0	0	0	1	0	1
Barmston Street	0	0	0	2	0	0	2
Bourne Street	0	0	0	0	0	0	1

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhœa
Caroline Street	0	0	0	0	0	0	2
Charlotte Street	0	0	0	0	1	0	0
Cumberland Street	0	0	0	0	1	0	0
Drain Side	0	0	0	0	0	0	1
Green Lane	0	0	0	0	0	0	1
Lincoln Street	0	0	0	0	0	0	2
Mason Street	0	0	0	0	2	0	0
New George Street	0	0	0	0	1	0	1
Northumberrland Av.	0	0	0	0	0	0	5
Oxford Street	0	0	0	0	4	0	3
St. Silas Street	0	0	0	0	0	0	1
Scott Street	0	0	0	0	0	0	1
Sculcoates Lane	0	0	0	0	0	0	1
Swann Street	0	0	1	0	0	0	1
Sykes Street	0	0	0	0	1	0	5
Westmorland Street	0	0	0	0	1	0	3
Wincolmlee Street	0	0	0	1	0	0	3
Worship Street	0	0	0	0	1	0	0
York Street	0	0	0	0	0	0	2

WEST SCULCOATES.

Alicia Street	0	0	0	0	0	0	1
Beverley Road	0	0	0	0	1	0	1
Blundell Street	0	0	0	0	0	0	1
Charles Street	0	0	0	0	0	1	0
Clifton Street	0	0	0	1	0	0	1
Christopher Street	0	0	0	0	0	0	1
Derby Street	0	0	0	0	2	0	0
Exchange Street	0	0	0	0	1	0	1
Fountain Road	0	0	0	0	0	0	2
Francis Street East	0	0	0	0	1	0	1
Gibson Street	0	0	1	0	0	1	1

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhœa
Grange Street	0	0	0	0	1	0	3
Grosvenor Street	0	0	0	0	0	0	1
Harley Street	0	0	0	0	0	1	1
Holmes Street	0	0	0	0	2	0	2
Leonard Street	0	0	0	0	0	0	1
Liddell Street	0	0	0	0	0	0	1
Lockwood Street	0	0	0	0	0	0	1
Lorne Street	0	0	0	0	0	0	2
Marlbro' Terrace	0	0	0	0	0	0	1
Mayfield Street	0	0	0	0	0	1	1
Melwood Grove	0	0	0	2	0	0	0
Norfolk Street	0	0	0	0	1	1	0
Percy Street	0	0	1	0	0	0	0
Providence Row	0	0	1	0	0	0	0
Reform Street	0	0	0	0	0	0	2
Rodney Street	0	0	0	0	0	0	1
Russell Street	0	0	0	0	0	0	1
St. Paul's Street	0	0	0	1	2	1	4
Sculcoates Lane	0	0	0	2	0	0	3
Stepney Lane	0	0	0	0	0	0	2
Symons Street	0	0	1	1	0	0	2
Terry Street	0	0	0	0	1	0	0
Tunis Street	0	0	0	0	0	0	1
Waterloo Street	0	0	0	0	0	0	2
Wellington Lane	0	0	0	0	2	0	0
Worship Street	0	0	0	0	0	0	1

HUMBER.

Adelaide Street	0	1	0	1	2	0	3
Cambridge Street	0	1	1	0	0	1	0
Canning Street	0	0	0	0	0	0	1
Cogan Street	0	0	0	0	0	0	2

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhœa
Collier Street	0	0	0	0	0	0	1
Colonial Street	0	0	0	0	1	0	2
Cross Street	0	0	0	0	0	0	1
Edward's Place	0	0	0	0	0	0	1
English Street	0	0	0	0	0	0	2
Finkle Street	0	0	0	0	1	0	0
Garden Street	0	0	0	0	1	0	0
Great Passage Street	0	0	0	0	0	0	1
Great Thornton Street	0	0	0	2	0	0	0
High Street	0	0	0	0	0	0	1
Hill Street	0	0	0	0	0	0	1
Humber Street	0	0	0	0	1	0	0
Humber Dock Street	0	0	0	0	0	0	1
Lister Street	0	0	0	0	0	0	1
Little Passage Street	0	0	0	0	1	0	0
Lower Union Street	0	0	0	0	0	0	1
Michael Street	0	0	0	0	1	0	1
Mytongate	0	0	0	0	1	0	1
North Street	2	0	0	0	0	0	0
Osborne Street	0	0	0	0	1	0	2
Paradise Place	0	0	0	0	1	1	1
Parliament Street	0	0	0	0	0	0	1
Pease Street	0	0	0	0	1	0	0
Pearson Street	0	0	0	0	0	0	1
Porter Street	0	0	0	0	0	0	2
Portland Street	0	0	0	0	0	0	1
Queen Street	0	0	0	0	0	0	1
St. James' Square	0	0	0	0	0	0	1
St. Luke's Street	0	0	0	0	0	1	1
Salthouse Lane	0	0	0	0	1	0	1
Short Street	1	0	0	0	0	0	1
Spring Street	0	0	0	0	1	0	0

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhœa
Upper Union Street	0	0	0	1	0	0	1
Walker Street	0	0	1	2	2	0	0
Waverley Street	0	0	0	0	0	0	1
William Street	0	0	0	0	0	0	2
Wood's Lane	0	0	0	0	0	0	1

MYTON.

Adelaide Street	0	0	0	2	1	0	1
Airlie Street	0	0	1	1	0	0	1
Albermarle Street	0	0	0	0	0	0	1
Alexandra Street	0	0	1	0	0	0	0
Alfred Street	0	0	0	0	0	0	1
Anlaby Road	0	0	0	0	0	1	0
Arlington Street	0	0	0	1	1	0	0
Bachelor Street	0	0	0	1	0	0	0
Bean Street	0	0	0	0	2	0	2
Camden Street	0	0	0	0	0	0	1
Clarendon Street	0	0	0	0	0	0	1
Constable Street	0	0	0	1	1	0	0
Convent Lane	0	0	0	0	0	0	3
Daltry Street	0	0	0	1	0	0	1
Day Street	0	0	0	0	0	1	0
Derringham Street	0	0	0	0	0	0	1
Division Road	0	2	0	0	1	1	1
Edgar Street	0	0	0	0	0	0	2
English Street	0	0	0	0	0	0	1
Goodwin Street	0	0	0	2	1	0	2
Gordon Street	0	0	0	0	0	0	1
Goulton Street	0	0	1	0	0	0	0
Harrow Street	0	0	0	0	1	0	1
Heron Street	0	0	0	1	0	0	0

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhœa
Hessle Road	0	0	0	1	0	0	1
Jackson Street	0	0	0	0	0	0	1
Kimberley Street	0	0	0	0	0	0	1
King's Bench Street	0	0	0	1	0	0	0
Madeley Street	0	0	0	0	0	0	1
Marmaduke Street	0	0	1	0	0	0	1
Norwood Street	0	1	0	0	0	0	0
Park Street	0	0	0	1	0	0	1
Queensgate Street	0	0	0	1	0	0	0
Redbourne Street	0	0	0	0	0	0	2
Regent Street	0	0	1	0	0	0	2
Rosamond Street	0	0	0	0	0	0	4
Ruskin Street	0	0	0	0	0	0	1
St. James' Street	0	0	0	0	0	0	1
Selby Street	0	0	0	1	0	0	1
South Parade	0	1	1	1	1	0	1
Spring Bank	0	0	0	1	2	0	0
Stanley Street	0	0	0	1	2	0	0
Strickland Street	0	0	0	1	2	0	5
Tadman Street	0	0	0	0	0	1	0
Tomlinson Street	0	0	0	0	1	0	2
Vauxhall, Grove	0	0	0	0	0	0	2
Villa Place	0	0	0	0	0	0	2
Walcott Street	0	0	1	0	0	0	1
Walker Street	0	1	0	1	1	0	1
Walliker Street	0	0	0	1	0	0	0
Wassand Street	0	0	0	0	3	0	3
Wellsted Street	0	0	0	0	0	1	0
Wenlock Street	0	0	0	0	0	0	1
West Dock Avenue	0	0	0	0	0	0	1
West Parade (Spring Bk.)	0	0	0	0	0	0	2

NEWINGTON.

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhœa
Alliance Avenue	0	1	0	0	1	0	0
Anlaby Road	0	0	0	0	1	0	1
Arthur Street	0	0	0	0	0	0	2
Brighton Street	0	1	0	1	2	0	1
Carlton Street	0	0	0	0	1	0	0
Chiltern Street	0	2	0	0	0	0	1
Clyde Street	0	0	0	0	1	0	0
Eastbourne Street	0	0	0	1	0	1	3
Edinburgh Street	0	0	0	0	0	1	1
Flinton Street	0	0	0	0	0	0	2
Gillett Street	0	0	0	1	3	0	3
Glasgow Street	0	0	0	0	1	0	0
Greek Street	0	0	0	0	0	0	3
Haltemprice Street	0	0	0	0	0	0	1
Havelock Street	0	0	0	0	0	0	1
Hawthorne Avenue	0	0	0	0	1	0	1
Hessle Road	0	0	0	1	1	1	4
Longden Street	0	0	0	0	0	0	1
Liverpool Street	0	1	1	1	0	0	4
Massey Street	0	0	0	0	0	0	3
North Eastern Cottages	0	0	0	1	0	0	0
Patrick's Lane	0	0	0	0	2	0	0
Plane Street	0	0	0	0	0	0	1
Pulman Street	0	0	0	0	1	0	2
Rhodes Street	0	0	0	0	0	0	2
Ringrose Street	0	1	0	0	0	0	1
Rugby Street	0	0	0	0	0	0	1
St. George's Road	0	0	0	0	0	0	4
Saltburn Street	0	0	0	0	0	0	1
Scarbro' Street	0	0	1	0	0	0	1
Selby Street	0	0	0	0	0	0	1

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhœa
Seymour Street	0	0	0	0	0	0	1
Somerset Street	0	0	0	0	1	0	3
Subway Street	0	0	0	1	0	0	8
Tyne Street	0	0	0	0	0	0	1
Walliker Street	0	0	0	1	0	0	1
Westbourne Street	0	0	0	0	0	0	2
West Dock Street	0	0	0	0	0	0	1
Wheeler Street	0	0	0	0	0	0	2
Witty Street	0	0	0	0	0	0	1
Woodcock Street	0	0	0	0	4	0	4
Zetland Street	0	0	0	0	1	0	0
NEWLAND.							
Alexandra Road	0	0	0	0	0	0	1
Belvoir Street	0	0	0	1	0	0	0
Blenheim Street	0	0	0	0	1	0	0
Clough Road	0	0	0	0	1	0	0
Haworth Street	0	0	0	0	0	0	1
Melwood Grove	0	0	0	1	0	0	0
Newland Avenue	0	0	1	1	1	0	0
Newland Grove	0	0	0	0	1	0	0
Prince's Road	0	0	0	0	0	0	2
Queen's Road	0	0	0	1	0	0	1
Stoneferry Road	0	0	0	0	0	0	1
Worthing Street	0	0	1	0	0	0	0

TOWN HALL,
HULL, 1906.

To the Medical Officer of Health.

SIR,

I beg to present you my report upon the work done in the Inspector of Nuisance's Department during the year 1905, in the usual tabular form.

I am, Sir,
Your obedient Servant,
C. W. EVINGTON,
Cert. Assoc. Royal San. Inst.

No. 21.—Table shewing number of Nuisances dealt with by Notices, &c.

Orders Given.	No. of Nuisances.
To Provide new sanitary pipe drainage	131
,, Relay or repair drains	185
,, Provide sanitary gullies	590
,, Cleanse choked drains	186
,, ,, ,, gullies	774
,, Provide grates to gullies	43
,, Disconnect fall-spouts from drains	76
,, ,, slopsink waste pipes from drains	25
,, Replace, repair or cleanse fall-pipes and slopsink waste pipes	23
,, Provide new or repair existing pavement	1145
,, Convert privies into w.c.'s	23
,, Replace pan closets with w.c.'s of modern type	2
,, Alter construction of w.c's.	4
,, Repair w.c.'s, replace w.c. basin, &c	21
,, Erect or repair urinals	2
,, Provide new or repair existing w.c. and urinal flushing apparatus	61
,, Cleanse w.c.'s and urinals	37
,, Provide new or repair existing soil pipes and vent pipes	24
,, ,, additional privy or w.c accommodation	18
,, Reconstruct privies	7
,, Remove or disconnect privies from houses	1
,, Flag and cement privy soil pits	761
, Repair privy soil pits and floors	265
,, ,, or renew privy woodwork	288
,, Provide privy pails	96
,, ,, dust bins	315
,, Repair roofage	282
,, ,, chimney stacks	9
,, ,, ceilings	36
,, Provide new & repair or cleanse existing eaves and fall-spouting	360
,, Repair walls	80
,, Cleanse and limewash dirty premises, areas, passages, privies, &c.	330
,, Cease to allow cellars to be occupied separately as dwellings	6
,, Cease to occupy bedrooms over privies	2
,, Cease to allow dwellings to be overcrowded	50
,, Place dwellings into a habitable condition	36
,, Cease to use workshop as stable	1
,, Quit land (notice to tent and van dwellers)	1
,, Repair floors of kitchens, sculleries, &c.	89
,, Provide ventilation under ground floors	40
,, Remove animals, poultry, &c.	42
,, Provide water supply	6
,, Remove dead rats from under floors	1
,, Erect or repair manure pits	26
,, Remove manure	17
,, Remove offensive refuse	23
,, Cleanse ponds, dykes, &c.	4
,, Remove stagnant water	9
,, ,, pigs	1
,, Abate smoke nuisances	20
Total	6574

TABLE No. 22.—TABULATED STATEMENT OF THE NUMBER OF HORSES EMPLOYED, AND THE WORK DONE IN THE ASH-PIT CLEANSING DEPARTMENT.

FOUR WEEKS ENDED. 1905.	No. of Ashpits emptied.	No. of Ashpits inspected.	No. of refusals to admit Collectors.	No. of doors fast.	No. of loads removed from		Total No. of Loads.	Daily Average No. of Horses.
					Houses, Shops, &c.	Open Spaces, Vacant Lands, &c.		
January 28	72255	1977	...	7	1730	31	1761	31
February 25	70975	2131	...	...	1706	49	1755	
March 25	72250	2173	...	...	1728	45	1733	
April 22	72029	1164	...	...	1643	100	1743	
May 20	72575	952	...	...	1618	100	1718	
June 17	76978	1912	...	...	1734	9	1743	
July 15	76632	1266	...	...	1727	38	1765	
August 12	74243	1032	...	...	1683	41	1724	
September 9	79399	552	...	...	1736	69	1805	
October 7	75703	606	...	...	1747	18	1765	
November 4	78103	774	2	1	1743	1	1744	
December 2	80958	964	...	...	1638	1	1639	
December 30	76923	836	...	8	1769	...	1769	
Totals	979023	16339	2	16	22202	502	22704	...

No. 23.—Table shewing number of Applications for the Removal of Nightsoil, House Refuse, &c., also *bona-fide* complaints.

FOUR WEEKS.	NUMBER OF APPLICATIONS.			NUMBER OF BONA-FIDE COMPLAINTS.	
DATE. 1905.	Nightsoil.	House Refuse, &c.		Nightsoil.	House Refuse, &c.
		Privy Houses.	W.C. Houses.		
28th January...	50	107	10	...	...
25th February .	34	136	5	...	...
25th March.....	41	125	2	...	...
22nd April	37	124	...	...	...
20th May	57	118	3	...	...
17th June	40	246	5	...	...
15th July	50	177	...	...	...
12th August ...	48	174	...	...	...
9th Sept	54	176	33	...	...
7th Oct.	43	253	17	1	...
4th Nov.....	45	216	2	...	...
2nd Dec.....	44	183	5	1	...
30th Dec.	35	133	...	...	...
Totals.....	578	2168	82	2	...

No. 24.—Return of Drainage Work &c., done by order of Informal or Statutory Notices during the year 1905.

No. of Houses provided with new drainage	379
Length of Drainage (in feet)	7,802
,, Areas, Back Passages, &c., provided with New Drainage ...	34
Length of Drainage (in feet)	3,320
,, Houses provided with New Pavement...	369
Area of Pavement (in square feet)	17,635
,, Areas, Back Passages, &c., provided with New Pavement ...	101
Area of Pavement (in square feet)	46,670
,, Sanitary Gullies provided	652
,, Intercepting Traps and Inspection Chambers	32
,, Additional w.c.'s provided	10
,, Defective w.c.'s replaced	13
W.C. & Urinal Flushing Apparatus, &c., repaired	56
No. of Urinals reconstructed	3
,, Privies converted into w.c.'s	16
,, ,, reconstructed or disconnected from houses	3
,, Privy Pails provided	102
,, Dustbins provided	277
,, Manure pits provided	8

Return of Drainage, work &c., done by letter or arrangement during the year 1905.

No. of Houses &c., provided with New Drainage	70
Length of Drainage (in feet)	1,332
,, Houses provided with New Pavement...	19
Area of Pavement (in square feet)	1,285
,, Areas, Back Passages, &c., provided with New Pavement ...	9
Area of Pavement (in square feet)	3,285
,, Sanitary Gullies provided	53
,, Inspection Chambers and Intercepting Traps	11
,, Additional w.c.'s provided	5
,, Defective w.c.'s replaced	4
,, Privies converted into w.c.'s	12
,, ,, repaired	18
,, Dustbins provided	16
,, Urinals provided	1
,, Drains and Gullies cleansed	38
,, Premises, &c., cleansed and limewashed	165
,, Manure pits provided	3

OFFENSIVE TRADES AND SMOKE NUISANCE REPORT.

Offensive Trades (Day Inspections)	2,638
,, ,, (Night Inspections)	85
Smoke Inspections	597
Pigsties Inspected	853
Total	4,173

No. 25.—TABLE SHEWING CASES OF ZYMOTIC DISEASES INVESTIGATED.

DISTRICTS.	Small Pox.	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Fevers.	Diarrhœa.	Erysipelas.	Continued Fever.	Puerperal Fever.	Total.
Drypool	...	87	84	197	6	...	35	59	75	4	6	553
Sutton	...	21	40	30	1	...	9	21	19	...	...	141
East Sculcoates	...	8	18	24	...	8	2	40	20	...	1	121
West Sculcoates	3	17	150	59	...	6	14	36	52	...	3	340
Humber	37	71	55	58	1	13	17	34	30	...	6	322
Myton	3	153	153	191	...	15	32	52	63	...	7	669
Newington	2	157	117	106	...	...	17	57	38	...	4	498
Newland	...	19	58	35	...	...	1	3	12	...	...	128
Marfleet	...	...	...	...	...	...	1	...	...	...	...	1
Totals	45	533	675	700	8	42	128	302	309	4	27	2,773

Disinfecting Station.

No. 26.—Table shewing number of Persons bathed, also Articles from private houses, and Books from the Public Libraries, disinfected at the Disinfecting Station, and Houses Fumigated.

MONTHS.	No. of Persons Bathed.	No. of Articles Dis-infected.	No. of Books Dis-infected.	HOUSES FUMIGATED.	
				DISTRICTS.	No. of Houses.
January ...	45	3541	28	Drypool.....	454
February...	32	1534	8	Sutton	120
March	38	2795	52	East Sculcoates .	73
April	41	3393	53	West Sculcoates.	277
May.....	38	2735	40	Humber	256
June	62	2716	70	Myton	562
July.....	60	2556	25	Newington	411
August ...	51	2566	8	Newland	121
September	37	3231	60	Marfleet	...
October ..	40	2932	17		
November .	40	3139	31		
December	27	3594	58		
Totals	511	34732	450		2274

No. 27.—Table shewing number of Registered and Licensed Premises which require inspection.

Description of Premises.	No.
Common Lodging Houses	33
Seamen's Lodging Houses	40
Slaughter Houses	62
Fish Curing Houses	53
Cow Sheds (1599 Cows)	123
Milk Shops	731
Tripe Boiling Houses	6
Fat and Tallow Melting Works	4
Soap Boilers	2
Bone Boiling Works	4
Gut Scraping ,,	3
Knackeries	2
Fish Manure Works	2
Cod Liver Boilers	6
Ammoniacal Liquor Works	2
Total	1073

No. 28.—Table of Common Lodging Houses, their situation, and the number of Rooms and Lodgers.

STREETS.	No. of Houses.	No. of Rooms.	Registered No. of Lodgers.
Blanket Row	5	39	300
Cross Street	1	5	23
Dock Street	3	23	152
Empringham Street	1	9	72
Finkle Street	1	8	27
Garden Street	1	3	10
Great Union Street	2	15	135
Lister Street	1	8	43
Little Humber Street	1	13	75
Lower Union Street	1	5	18
Mill Street	2	10	38
Myton Place	1	7	42
Osborne Street	2	11	60
Robinson Row	1	8	29
Salthouse Lane	2	28	174
Saint James Street	1	16	86
Trippett Street	1	7	143
Waltham Street	1	5	36
Waterhouse Lane	1	14	106
Waverley Street	1	5	38
West Street	3	18	90
Totals	33	257	1697

No. 29.—Table of Seamens' Lodging Houses, their situation, and the number of Rooms and Lodgers.

STREETS.	No. of Houses.	No. of Rooms.	Registered No. of Lodgers.
Adelaide Street	1	3	7
Blackfriargate	1	4	11
Blanket Row	1	3	11
Castle Street	2	5	17
Charlotte Street	1	5	25
Cogan Street	2	7	23
Dagger Lane	1	3	11
Empringham Street	1	1	4
Grimsby Lane	4	11	26
Hedon Road	2	9	41
Hessle Road	1	1	8
Humber Street	1	6	23
Kingston Street	2	10	24
Lister Street	2	6	28
Mytongate	2	9	29
Nile Street	2	10	24
Osborne Street	3	12	37
Posterngate	1	6	14
Prospect Place	1	3	9
Sewer Lane	1	2	8
Thomas Street	1	2	8
Trundle Street	1	3	9
Tyne Street	1	1	4
Wellington Street	1	4	12
William Street	2	5	14
Wilton Street	1	6	22
Woodhouse Street	1	1	3
Totals	40	138	452

No. 30.—TABLE SHEWING APPLICATIONS FOR LICENSES AND REGISTRATIONS.

Name.	Premises.	Places Registered.	Result.
Benjamin Wright	2, Massey Street	Cowshed and Dairy	Granted.
Mrs. K. E. Johnson	Westbourne Street	Do.	Do.
Swindon and Johnson	Blackfriargate	Wholesale Margarine Dealer	Do.
Continental Produce Agency.	4, Prince's Dock Side	Wholesale Margarine Dealers	Do.
A. Knepel	Spencer Street	Wholesale Margarine Dealer	Do.
Mrs. E. Bedford	32, Cogan Street	Do.	Do.
Catherine Lewis	39, Lower Union Street	Common Lodging-house	Do.
Thomas M. Pollard	56, St. James' Street	Do.	Do.
Popple and Co.	St. Andrew's Dock Extension	Fish Curing House	Do.
J. Mann and Son.	Witty Street	Smoke House	Do.

No. 31.—TABLE SHEWING SAMPLES TAKEN UNDER "FOOD AND DRUGS ACT," AND RESULTS.

Description of Sample.	No. of Samples.	Pure.	Adulterated or sold in contravention of Act.	Prosecutions.	Results.
Arrowroot	16	16	...	...	.....
Baking Powder	25	25	...	...	.....
Bread	14	14	...	...	.....
Butter	65	61	4	2	(1) Fined £10, including costs; (2) Fined £5 and costs; (3) Defaulting vendor cautioned by Town Clerk.
Camphorated Oil	15	15	...	...	.....
Castor Oil	25	25	...	...	.....
Cheese	71	70	1	...	.....
Coffee	18	18	...	...	.....
Dripping and Fish Fryers' Fat	9	9	...	...	.....
Flour	19	19	...	...	.....
Gin	6	6	...	...	.....
Golden Syrup	14	14	...	...	.....
Ground Ginger	8	8	...	...	.....
Ground Rice	9	9	...	...	.....
Ice Cream	50	50	...	...	.....
Lard	59	59	...	...	.....
Malt Vinegar	4	4	...	...	.....
Margarine	4	4	1	3	Two contraventions of Margarine Act:— (a) Fined 1/6 & 6/- costs; (b) Judgment respited on payment of 4/6 costs.
	431	426	6	3	.....

TABLE No. 31 —*Continued.*

Description of Sample.	No. of Samples.	Pure.	Adulterated or sold in contravention of Act.	Prosecutions.	Results.
Brought forward...	431	426	6	3	.....
Milk	377	354	23	21	Fines, &c., imposed as follows:— £15 and costs in each of two cases; £5 and costs, or 21 days; £5, including costs, solicitor's fee or 30 days; £2, including costs, in each of three cases; £1 and costs; £1, including costs, in each of 8 cases; 15/-, including costs; 10/- and costs; 10/- including costs; 2/6 and costs; In one case the summons was dismissed, and in two other cases the defaulting vendors were cautioned by the Town Clerk.
Mustard	13	13	...	...	.....
Oatmeal	17	17	...	...	.....
Paregoric	4	4	...	...	.....
Rum	3	2	1	...	.....
Sugar	34	34	...	...	.....
Sweet Spirits of Nitre ...	5	5	...	...	.....
Tea	18	18	...	...	.....
Whiskey	6	6	...	...	.....
White Pepper	24	24	...	...	.....
	932	903	30	24	.....

No. 32.—TABLE SHEWING SANITARY PROSECUTIONS.

Date.	Offence.	Result.
27th January	Exposing for sale carcase of a pig affected with generalised tuberculosis	Fined £2 including costs.
Do.	Aiding and abetting the last	Summons dismissed.
Do.	Depositing for the purpose of sale 3 kits of herrings unfit for human food	Fined 10s. and costs.
28th April	Breach of the Cowsheds and Dairies Order	Fined £1 including costs.
Do.	Conveying noxious or offensive matter through streets	Fined 10s. and costs.
26th May	Selling milk certified to have been deprived of 58·34 per cent. of its milk fat	Fined £5 including costs, solicitor's fee, or 30 days
Do.	Contravention of Dairies, Cowsheds and Milkshops Order	Fined £2 including costs.
23rd June	Exposing for sale bacon unfit for human food	do.
Do.	Non-compliance with notice to abate smoke nuisance	Fined £3 including costs and ordered to prohibit recurrence.
28th July	Selling milk adulterated with 22·12 per cent. of added water and deficient in milk fat to the extent of 25 per cent.	Fined £5 and costs or 20 days.
Do.	Selling milk deficient in milk fat to the extent of 25 per cent.	Fined £1 and costs.

TABLE No. 32.—*Continued.*

Date.	Offence.	Result.
28th July	Selling margarine in contravention of the Margarine Act— (1) Exposing for sale without the proper label ..... (2) Delivering to purchaser without proper wrapper	(1) Fined 1s. 6d. & 6s. costs (2) Judgment respited on payment of 4s. 6d. costs.
Do.	Selling milk adulterated with 3·77 per cent. added water	Fined 10s. including costs.
Do.	Do. do. 4·24 per cent. do.	Fined £1 including costs.
Do.	Do. do. 6·36 per cent. do.	do.
Do.	Selling margarine by retail not in a package, branded or marked, and not in a paper wrapper printed as required.....	Fined £5 and costs.
29th September	Selling milk adulterated with 6·36 per cent. added water	Fined 15s. including costs.
Do.	Exposing for sale for human food 19 rabbits unfit for such purpose	Fined £7 including costs.
Do.	Exposing for sale for human food 64 mackerel unfit for such purpose	Fined £5 and costs, or 30 days.
Do.	Having in possession the carcase of a pig which was intended for preparation for sale for human food and which was unfit for such purpose	Fined £1 including costs.
Do.	Selling milk deprived of 13 per cent. of its fat	Fined 2s. 6d. and costs.
27th October	Selling milk adulterated with 10·71 per cent. of added water.....	Fined 10s. and costs.

TABLE No. 32.—*Continued.*

Date.	Offence.	Result.
17th November	Selling milk adulterated with 18·12 per cent. of added water	Fined £15 including costs*
Do.	Do. do. 16·94 per cent. do.	Fined £1 including costs.
Do.	Do. do. 16·36 per cent. do.	do.
Do.	Do. do. 11·65 per cent. do.	do.
Do.	Do. do. 10·71 per cent. do.	do.
Do.	Offence against the Food and Drugs Act by selling margarine as butter	Fined £10 including costs.
14th December	Selling milk adulterated with 13·06 per cent. of added water.....	Fined £15 including costs†
Do.	Do. do. 9·89 per cent. do.	Fined £2 including costs.
Do.	Do. do. 8·0 per cent. do.	Summons dismissed.
Do.	Do. do. 6·48 per cent. do.	Fined £1 including costs.
Do.	Do. do. 7·77 per cent. do.	Fined £2 including costs.
Do.	Do. deficient in milk fat to the extent of 6·67	Fined £1 including costs.

* This defendant was proved to be source of supply in the three succeeding cases.
† This defendant was proved to be source of supply in the preceding milk case.

REPORT OF THE INSPECTION AND REGISTRATION OF CANAL BOATS.

Boats inspected	1782
Additional inspections made to ascertain if notices served had been complied with	239
Total number of inspections	2021
Boats in good order	1668
Contravening the Acts	114
	1782

The 1,782 boats inspected during the year are registered to accommodate 10,658 adult persons, whilst only 3,891 adults (3,112 males, 679 females) and 399 children were found occupying the said boats.

The number of children of school age found on the boats registered by this Authority was 78.

Particulars of Contraventions.

		Defects.	Remedied.
Not properly lettered and numbered ..		63	62
Absence of certificates		52	52
Requiring repairs :—			
Decks	4	17	17
Decks, stoves and floors	3		
Stoves, cupboards & water casks	4		
Cupboards, &c.	3		
Additional light	3		
Certificates not identifying owners or boats		22	16
Requiring renewal of paint		31	27
Change of Master not notified		13	13
Not in a cleanly condition		4	4
Over-crowding		1	1
Not properly ventilated		9	9
Females over age		2	2
Carried forward		214	203

	Defects.	Remedied.
Brought forward	214	203
Refusal of admittance to Inspection ..	—	—
Accumulation of bilge water	5	5
Carrying offensive cargoes without the requisite double bulkheads ..	1	1
Unregistered boats	27	27
	247	236

In reference to the 11 contraventions unremedied, notices have been sent either to the Owner or Masters, and were subsequently complied with.

The 7 contraventions existing when the last annual report was presented have since been remedied.

Notices and letters issued during the year, 140.

In addition to the written notices or letters sent to the Owners, the Masters of all boats contravening the Acts or Regulations have been verbally cautioned.

INFECTIOUS DISEASES.

Diphtheria.

On Wednesday, 15th March, notification was received from a Medical Practitioner that the Master, aged 22 years, of the Canal Boat "Pearl," registered No. 739, Goole, lying in the St. Andrew's Dock, was suffering from Diphtheria. The patient was removed to Hospital and the necessary disinfection carried out.

Erysipelas.

On Monday, 3rd April, a Medical Practitioner notified that a child, age 7 months, son of the Master of the Canal Boat "Arthur," registered No. 533, Hull, lying in the Queen's Dock, was suffering with Erysipelas. The necessary precautions were taken, and on the recovery of the patient, the cabin was disinfected.

Legal Proceedings.

It has not been found necessary during the year to take legal proceedings, as in nearly every instance where contraventions of the Canal Boats Acts have been discovered, the persons responsible have carried out the necessary work with the least possible delay.

Registration Department.

Total number of boats on the register 31st December, 1904	433
Registered during the year	28
	461
Cancelled during the year	6
Total number on the register 31st December, 1905	455

Particulars of boats registered during the year :—

Not previously registered	19
Owing to change of ownership or boat's name, and certificates being lost ..	2
Previously used as Lighters	4
Owing to structural alterations ..	2
Previously registered under the Merchant Shipping Act	1
Total	28

Particulars of boats, the registration of which has been cancelled during the year :—

Owing to structural alterations	1
Broken up	2
Ceased to be used as human habitations	2
Registered under the Merchant Shipping Act	1
Total	6

Change of Master on 13 boats, of ownership on 20 boats, and of boats' names in 3 cases, have been registered during the year.

Report on the Administration of the Factory and Workshop Act, Shop Hours Acts and the Seats for Shop Assistants Act, Employment of Children Act and Prevention of Cruelty to Children Act.

General Remarks on the Work.

In my last report attention was called to the great increase of office work in this department and the need for assistance being appointed. This was done last June by the appointment of a junior to assist the Inspector generally. The appointment has been fully justified, not only on account of further increase of office work caused by the Shop Hours Act, 1904, and The Employment of Children Act, 1903, but also in respect to the number and result of inspections. The number of inspections recorded in 1904 and 1905 were 4,356 and 5,890 respectively, and the faults amended were 471 and 545 respectively.

Nothing has yet been heard of the Home Office proposal to draft model bye-laws respecting means of escape in case of fire in factories and workshops; consequently no action has been taken with regard to dangerous buildings in which less than forty persons were employed.

During the year several workshops have been converted into factories by the installation of motive power; chiefly electricity.

The large table attached hereto has been reduced to show only the work accomplished in this branch during the past ten years instead of from the commencement of the office.

Factories.

As previously, the inspection of factories has been limited mainly to the inspection of fire-escapes and the investigation of complaints.

Workshops and Workplaces.

The whole of the workshops in the City, with few exceptions, have been inspected at least once during the year, and where occasion required more frequently. In the early part of the year considerable attention was given to the fish-curing houses, which resulted in the case of one obsolete curing-house being discontinued and extensive alterations and amendments in others, especially in respect to sanitary accommodation. Generally speaking the workshops and workplaces in the City have been kept in a fair sanitary condition.

Fire Escapes.

Considerable additions have been made to the means of escape in case of fire at 14 factories during the year, and your Inspector continues to give special attention to this matter. One of the most serious factory fires that has occurred during the year was at the Swan Flour Mills, when the silo was burnt out. This is the first occasion, so far as is known, on which a silo building has been burnt down, in fact it was thought to have been almost impossible for such an occurence to have taken place. Fortunately there was no one in the building at the time of the fire. Since this fire the proprietors of the mill have undertaken to greatly improve the means of escape from the floor at the top of the building, which is situated about 90 feet above the ground.

Bakehouses.

The systematic inspection of bakehouses has been continued throughout the year, and the half-yearly lime-washing has been fairly well attended to, but the keeping of bakehouse floors, &c., in a cleanly state still leaves room for improvement. It has on several occasions been the unpleasant duty of your Inspector to call attention to the extremely obnoxious habit of spitting on bakehouse floors, and I would direct attention to the great danger the public are exposed to by such a habit.

I am convinced that some further and more restringent powers should be conferred upon Local Authorities than is found in the nuisance clauses of the Public Health Acts for dealing with such matters as these in bakehouses; also, in order to secure removal of objectionable conditions from bakehouses, and other places of like character, and to prevent the putting into use unsuitable premises for such purposes, a system of licensing by Sanitary Authorities should be established. Early in the year my attention was directed to the fact that some six months previously a baker of fancy bread had erected a rough wooden structure at the rear of his dwelling, making use of a dilapidated garden wall as part of the structure, and enclosing a yard gully into which discharged a kitchen sink, bath and lavatory wastes, and started a wholesale bakery. Of course action might be taken against the occupier for continuing to use such a place as a bakehouse, but there appears to be no power to prevent its establishment.

Outworkers.

The work in connection with outworkers has been kept up during the year, and there appears from the tables that there had been 241 failures to send in the list by the time required, namely, 1st of February and the 1st of August; the lists were obtained after sending out a circular letter, reminding the employers of the fact. All the lists received were examined as required by the Act, and all persons whose names newly appeared on such lists were visited, as were all others where it was thought advisable. Only in a few instances had fault to be found with the condition of the premises where the work was done.

Sixteen cases of infectious diseases occurred at the homeworkers' houses where wearing apparel was made, cleansed or repaired, and in each case the necessary precautions were taken to prevent the spread of the disease. The employers have always been willing to assist the Authority in this respect,

The Secretary of State has, by Order, dated 15th August, 1905, revoked all previous orders respecting outworkers and fixed the classes of work to which the provisions respecting lists of outworkers shall apply, namely :—

Making, cleaning, washing, altering, ornamenting, finishing, and repairing of wearing apparel, and any work incidental thereto ;

Making, ornamenting, mending, and finishing of lace, and of lace curtains and nets ;

Cabinet and furniture making and upholstery work ;

Making of electro plate ;

Making of files ; and

Fur-pulling ;

Making of iron and steel cables and chains ;

Making of iron and steel anchors and grapnels ;

Making of cart gear, including swivels, rings, loops, gear buckles, mullin bits, hooks, and attachments of all kinds.

Making of locks, latches and keys.

The making of covers for, and the covering, finishing, altering or repairing of, umbrellas, sunshades, parasols, and articles of a similar character, and any work incidental thereto.

The making of paper bags and of paper boxes.

Brushmaking ; and

The making of stuffed toys.

The last four articles of the Order are new.

So far as Hull is concerned, outworkers are only employed in the making, altering and repairing of wearing apparel, cabinet and furniture making and upholstery work, the making of paper, bags and brush making.

Shop Hours and Seats for Shop Assistants Acts.

These Acts continue to receive due attention, and have, so far as limitation of the weekly employment of young persons, been fairly well regarded, only one really

bad case of excessive hours came under your Inspector's notice. This was followed by a prosecution. Unfortunately the lad lost his situation for having signed a declaration when requested to do so by the Inspector. The case, after consultation with the Chairman of your Committee, was laid before the Industrial Law Committee, London, who generously indemnified him against his loss by paying his full rate of wages, viz., 12s. per week, for upwards of twenty weeks, and eventually succeeded in finding him another situation.

I am more strongly of opinion year by year that the Shop Hours Act should provide a daily limit, within fixed hours, in place of the present weekly limit and should extend to all females employed in or in connection with shops. The Act at present puts the young persons into a very invidious position by having, on the request of Inspectors, to give information against their employers, and may risk loss of employment thereby; further in many cases the young persons cannot be relied upon to give satisfactory evidence as to their actual hours of employment for a week past.

Shop Hours Act, 1904.

Early in the year the City Council received two petitions for closing Orders, one from the Butchers and one from the Hairdressers in the City, and, after due consideration, the Council decided to proceed to make Closing Orders for the respective trades, but, owing to opposition by a section of the Butchers in the City, the Secretary of State declined to confirm the Order referring to the Butchers' Shops.

In respect to the Hairdressers the following Order was made and confirmed by the Secretary of State on the 15th of February, 1906.

City and County of Kingston upon Hull.

Shop Hours Act, 1904.

CLOSING ORDER.

IT IS HEREBY ORDERED THAT—

1. Title. This Order may be cited as "The Hairdressers' and Barbers' Shops Closing Order, 1905."

2. Area. The area within and throughout which this Order applies, is the whole of the City and County of Kingston upon Hull.

3. Shops. The Shops to which this Order applies are all the shops in the said area, wherein the business of a Hairdresser or Barber is carried on.

4. Closing Hour. The "closing hour" for shops to which this Order applies, shall be :—

8 p.m. on Mondays and Tuesdays.
9 p.m. on Wednesdays.
1 p.m. on Thursdays.
9 p.m. on Fridays.
11.30 p.m. on Saturdays.

Except that on the Thursday preceding Good Friday, and on the day (not being a Sunday) preceding Christmas Day, the closing hour shall be 11.30 p.m.

5. Mixed Shops. Any Hairdressers' or Barber's shop in which any trade or business other than that of a Hairdresser or Barber is carried on, may be kept open after the closing hour for the purposes of such other trade or business only, but the following terms and conditions shall be observed therein, viz. :—

No customer shall, after the Closing Hour, be allowed access to any room in or part of the shop wherein the business of a Hairdresser or Barber is carried on, and

there shall be a moveable barrier fixed at the entrance of such room in or part of the shop so as to prevent such access.

6. Exhibition of Notice. The occupier of every shop to which this Order applies shall keep exhibited in a conspicuous position therein, a notice in the form supplied by the Council, specifying the hour that the shop is to be closed each day, so that the customers resorting to the shop may see the same.

H. J. Gladstone,
One of His Majesty's Principal Secretaries of State.

Apart from this there has been during the year some very satisfactory voluntary effort in the better class of establishments for the early closing of shops, especially in the grocery and drapery trades. In the former a commendable action has been taken, emanating, I believe, from the Grocers' Association.

Employment of Children Act, 1903, and Prevention of Cruelty to Children Act, 1904.

Bye-laws for regulating the employment of children have been formally made by the City Council and sent to the Secretary of State for his approval. Pending the making of these bye-laws absolute by such approval, the Act is not being strictly enforced in the City.

The theatres and music halls in which children have been licensed to take part in the performances have been regularly visited by your Inspector. Eight contraventions, mostly of a technical character, were discovered, though it was not deemed advisable to institute legal proceedings in any case.

There were 29 licenses granted by the Magistrates, affecting 35 children, being a marked decrease in both the number of licenses and the number of children employed. In 1904 the numbers were 36 and 118 respectively.

TABLE SHEWING THE WORK ACCOMPLISHED BY THE SHOP HOURS AND SANITARY INSPECTOR EACH YEAR DURING THE PAST 10 YEARS, ENDED DECEMBER 30TH, 1905.

Factory and Workshop, and Public Health Acts.

Year	Registers: Workshops	Registers: Workplaces	Registers: Bakehouses	Registers: Employers of Outworkers	Registers: Outworkers	Inspections: Workshops and Workplaces (Outworkers included)	Inspections: Factories	Inspections: Laundries	Inspections: Bakehouses	Inspections: Re-Inspections, &c.	Inspections: Outworkers' Lists examined	Fire Escapes: Inspections	Fire Escapes: Escapes required	Fire Escapes: Escapes provided	Fire Escapes: Escapes not in order	Fire Escapes: Escapes put in order	Summary of Sanitary Work: Various Sanitary Defects amended	Summary of Sanitary Work: New Waterclosets provided	Summary of Sanitary Work: New Fat [illegible] provided	Summary of Sanitary Work: New Drainage in feet	Summary of Sanitary Work: No. of Premises affected	Notifications to H.M. Inspector: New Workshops	Notifications to H.M. Inspector: No Abstract Act	Notifications to H.M. Inspector: Other matters	Prosecutions: Prosecutions	Prosecutions: Convictions	Prosecutions: Dismissed or withdrawn on payment of costs
1896	1161	...	112	110	507	2057	72	21	216	1042	...	20	7	10	...	...	288	17	14	2153	233	167	19	117	...	...	...
1897	1270	...	112	114	485	1982	89	21	218	931	...	41	4	4	...	...	271	12	10	813	221	172	54	17	...	...	...
1898	1329	...	108	110	462	1767	91	22	167	1155	...	22	1	4	...	...	315	32	21	1003	254	177	35	9	...	...	...
1899	1663	...	108	118	457	1623	67	26	173	1109	...	19	4	4	...	...	310	35	10	1705	265	157	30	11	2	1	1w
1900	1370	...	109	123	488	1865	108	24	208	1038	...	50	5	4	...	...	281	40	9	878	264	216	17	17	...	...	...
1901	1409	...	103	132	569	1840	69	29	172	1108	...	29	3	7	...	...	296	30	9	507	259	197	56	6	1	1	...
1902	1518	35	109	128	553	1385	56	20	169	1078	...	50	10	10	...	...	270	39	8	1761	234	250	...	...	4	1	3w
1903	1418	62	112	138	538	1621	48	17	154	1169	258	31	5	2	6	3	277	31	18	575	256	168	13	8	1	...	w
1904	1422	67	110	133	522	1374	37	19	182	913	247	77	19	5	9	10	217	16	9	‡	218	139	7	11	1	1	...
1905	**1345**	**81**	**111**	**138**	**506**	**1966**	**61**	**13**	**176**	**1174**	**260**	**21**	**3**	**14**	**2**	**3**	**275**	**21**	**4**	‡	**229**	**173**	**22**	**7**	**1**	...	**2w**
Totals	...	...	...	...	...	17480	698	215	1835	10750	765	360	61	61	17	16	2830	273	112	9700	2433	1816	283	203	10	4	7

Shop Hours, and Seats for Shop Assistants Acts. — Factories Steam Whistles Act. — Employment of Children Act, and Prevention of Cruelty to Children Act.

Year	Shop Hours Acts: No. of Shops where young persons are employed	Shop Hours Acts: Inspections	Shop Hours Acts: Notices not exhibited	Shop Hours Acts: Excess of hours	Seats for Shop Assistants Act: No. of shops where females are employed	Seats for Shop Assistants Act: Inspections	Seats for Shop Assistants Act: Where seats were required	Seats for Shop Assistants Act: Where seats have been provided on request	Shop Hours Act, 1904, Number of Shops on Register: Butchers	Shop Hours Act, 1904, Number of Shops on Register: Barbers	Prosecutions: Prosecutions	Prosecutions: Convictions	Prosecutions: Dismissed, withdrawn or complied on payment of costs	Factories Steam Whistles Act: Inspections	Factories Steam Whistles Act: Tests	Factories Steam Whistles Act: Certificates granted	Employment of Children: No. of Licences granted for Stage Performances	Employment of Children: No. of Children affected	Employment of Children: No. of Inspections	Employment of Children: No. of Contraventions	Prosecutions: Prosecutions	Prosecutions: Convictions	Prosecutions: Dismissed or withdrawn on payment of Costs
1896	1714	1526	241	12	...	Inspections included under Shop Hours Acts.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1897	1882	1164	211	11	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1898	1924	1570	247	25	...		...	...	...	...	6	6	...	...	...	..	...	...	...	..	...	...	...
1899	2003	1452	220	15	...		...	...	...	...	15	13	1p 1w	...	...	...	...	...	...	...	...	...	...
1900	2119	1787	200	12	425		14	12	...	...	10	9	1p	...	...	...	...	...	...	...	...	...	...
1901	2052	1638	208	12	489		9	4	...	...	4	4	...	...	...	...	...	...	...	...	...	...	...
1902	2153	1339	151	3	529		7	7	...	...	3	3	...	223	56	65	...	...	...	...	...	...	...
1903	2033	1528	126	8	711		10	10	...	...	2	2	...	10	...	1	...	...	..	...	...	...	...
1904	1882	1441	199	7	561		1	3	...	...	2	1	1r	...	...	...	36	118	41	5	...	...	...
1905	**1919**	**2189**	**230**	**8**	**556**		**13**	**14**	**368**	**222**	**4**	**4**	...	**1**	**1**	**1**	**29**	**35**	**55**	**8**	...	...	...
Totals	...	15934	2033	113	...	...	57	50	368	222	16	42	4	231	57	67	65	153	96	13	..	...	...

Total Inspections for past 10 Years ...		
	Workshops	17180
	Factories	698
	Laundries	215
	Bakehouses	1835
	Re-Inspections, &c... ...	10750
	Outworkers' Lists examined ...	765
	Steam Whistles	231
	Theatres, &c.	96
	Fire Escapes	360
	Shops	15931
	Grand Total	48167

Total Faults Remedied or Legal Action taken in respect thereto.		
	Unregistered Workshops, &c. ..	2302
	Sanitary	2830
	Fire Escapes	80
	Shop Notices	2033
	Shop Hours	113
	Shop Seats	42
	Steam Whistles	57
	Employment of Children	13
	Grand Total	7470

‡ Work is now done under supervision of the City Architect's Department.

This Table is enclosed, by request of the Secretary of State, for the guidance and convenience of Medical Officers of Health in preparing that part of their Annual Report which relates to factories, workshops, workplaces and home work. It is not intended to supersede the fuller statement which is desirable in the text of the Report, but to provide for uniformity in the presentation of such particulars as lend themselves to statistical treatment.

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES AND HOMEWORK.

1.—Inspection.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (including Factory Laundries) .. .. (Including 18 for Fire Escapes)	79	16	—
Workshops (including Workshop Laundries)	1829	149	2
Workplaces	34	20	—
Homeworkers' Premises	292	8	—
Total (1174 revisits not included)	2234	193	2

2.—Defects Found.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
*Nuisances under the Public Health Acts:—**				
Want of cleanliness	128	102	—	—
Want of Ventilation	7	7	—	—
Overcrowding	4	3	—	—
Want of drainage of floors	—	—	—	—
Other nuisances	77	68	—	—
Sanitary accommodations: insufficient	21	11	—	—
Sanitary accommodations: unsuitable or defective	29	26	—	—
Sanitary accommodations: not separate for sexes	17	8	—	1
Public Health Acts Amendment Act, 1890, is in force.				
Offences under the Factory and Workshop Act:—				
Illegal occupation of underground bakehouse (S. 101)	—	—	—	—
Breach of special sanitary requirements for bakehouses (SS. 97 to 100)	44	52	—	—
Failure as regards lists of outworkers (S. 107)	241	240	—	—
Giving out work to be done in premises which are unwholesome (S. 108)	—	—	—	—
Giving out work to be done in premises which are infected (S. 110)	—	—	—	—
Allowing wearing apparel to be made in premises infected by scarlet fever or smallpox (S. 109)	—	—	—	—
Other offences	—	—	—	—
Total	568	517	—	1

* Including those specified in Sections 2, 3, 7 and 8, of the Factory Act as remediable under the Public Health Acts.

3.—Other Matters.

Class.		Number.
Matters notified to H.M. Inspectors of Factories :—		
Failure to affix Abstract of the Factory and Workshop Act (S. 133) (including new Workshops)		198
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (S. 5)	Notified by H.M. Inspector	13
	Reports (of action taken) sent to H.M. Inspectors	10
Others		7
Underground Bakehouses (S. 101) :—		
In use during 1905		None.
Certificates granted in 1903		,,
Certificates granted in 1904		,,
In use at the end of 1904		,,

Homework :—	Number of Lists.	Number of Outworkers.
*Lists of Outworkers** (S. 107) :—		
Lists received	260	979
Addresses of outworkers forwarded to other Authorities	2	2
Addresses of outworkers received from other Authorities		

Homework in unwholesome or infected premises :—	Wearing Apparel.	Other.
Notices prohibiting homework in unwholesome premises (S. 108)	—	—
Cases of infectious disease notified in homeworkers' premises	16	—
Orders prohibiting homework in infected premises (S. 110)	—	—

* The Lists should be received twice in the year. The year's figures required in the Table are then obtained by adding together the two half-yearly totals.

3.—Other Matters (*continued*).

	Class.	Number.
Workshops on the Register (S. 131) at the end of 1905:—		
Important classes of workshops, such as workshop bakehouses, may be enumerated here.	Bags, Baskets, &c.	21
	Clothing, Boots,	626
	Coaches, Cycles, Harness, &c.	55
	Coopers, &c.	33
	Fish Curers	53
	Food, Drink, &c. (Bakers, Confectioners, &c.)	152
	Furniture, Pianos, Brushes, &c.	130
	Joiners, Plumbers, &c.	140
	Laundries, Cleaners, &c.	15
	Iron, Tin, Wire, &c.	99
	Ships, Boats, Ropes, Sails and Nets	36
	Watches, Jewellery, &c.	35
	Sundry other Trades	61
	Total number of workshops on Register	1456

PROSECUTIONS INSTITUTED BY THE SHOP HOURS AND SANITARY INSPECTOR.

Date.	Offence.	Result.
1905.		
Jan. 3rd.	Employing a young person for more than the time allowed by the Shop Hours Act, 1892.	Fined £1 including costs.
Aug. 28th.	Failing to keep the Notice required by the Shop Hours Acts, 1892, exhibited in Shop.	Fined 5s. and costs.
,, ,,	Do. do.	Fined 5s. and costs.
,, ,,	Do. do.	Fined 7/6 and cost.
Dec. 6th.	Failing to comply with a Notice to provide Sanitary accommodation.	Withdrawn on payment of costs, the accomodation having been provided after the summons was issued.

COMPLAINTS RECEIVED FROM H.M. INSPECTOR OF FACTORIES.

Nature of Complaint.	No. of complaints received.	No. of complaints remedied.	No. of complaints being dealt with.	Remarks.
Limewashing of Bakehouse overdue.	1	1	—	——
No Sanitary convenience.	1	1	—	——
Defective Sanitary convenience	1	1	—	——
No separate Sanitary convenience for females.	6	4	—	In one case the females were dismissed, and in another case it was found that the only woman employed had convenience at the adjoining dwelling.
Dirty walls and ceiling of Workshop.	1	1	—	There was no contravention of the Public Health Acts.
Sanitary convenience communicating directly with work-room.	1	—	—	Ditto.
Nuisance from stable within Fish curing house.	1	1	—	——
Nuisance from manure pit near bakehouse door.	1	1	—	——
	13	10	—	

WORKSHOPS AND WORKPLACES

Table shewing the trades, number of workshops and workplaces at present on the register, and number of each sex employed when first inspected.

TRADES.	Number of Workshops.	Hands Employed.	
		Males.	Females.
WORKSHOPS—			
Art Needle Workers	4	—	14
Bag Workers	10	13	101
Bakers	111	223	28
Basket Makers.....	11	33	8
Boat Builders	10	35	—
Boot Makers	99	247	1
Bottlers of Beer, &c.	14	50	—
Brush Makers	7	47	20
Cabinet Makers ...	44	151	—
Chair Makers	1	58	—
Coach Builders ...	4	34	—
Confectioners	16	38	11
Coopers.....	32	137	—
Cork Cutters	4	10	—
Cycle Repairers ...	28	67	—
Dressmakers.....	230	8	1430
Firewood Cutters...	8	15	4
Fish-Curers	53	400	350
Fish Kit Makers...	1	4	—
Hosiery Knitters...	3	—	17
Joiners	85	317	—
Lath Renders	2	10	—
Laundries	9	2	58
Leather Curriers ..	1	3	—
Maltsters	3	13	—
Marble Masons ...	2	3	—
Mast & Block M'k'rs	2	5	—
Milliners	53	—	289
Netbraiders	6	12	209
Painters	13	31	—
Picture Frame Makers	8	19	—
Polishers	16	51	—
Plumbers	53	202	—
Rag Sorters	5	3	36
Carried forward	948	2241	2576

TRADES.	Number of Workshops.	Hands Employed.	
		Males.	Females.
Brought forward	948	2241	2576
Ropeworkers	8	45	—
Saddlers	12	32	—
Sailmakers	10	28	—
Shirt Makers	1	—	8
Slippermakers	8	34	8
Smiths	61	210	—
Tailors	221	469	349
Tinsmiths	30	77	—
Upholsterers	19	28	33
Venetian Blind Makers	4	10	6
Watch and Clock Makers	35	83	2
Weighing Machine Makers	6	21	—
Wheelwrights	10	42	—
Wireworkers	2	5	—
Wood Carvers	4	18	—
Sundry Trades.....	77	245	213
Totals...	1456	3588	3195
WORKPLACES—			
Egg Warehouses ...	10	9	52
Restaurant & Hotel Kitchens.....	54	35	126
Sundry Workplaces	17	67	24
Totals ...	81	111	202
Grand Totals :—			
Workshops	1456	3588	3195
Workplaces	81	111	202
	1537	3699	3397

SHOP HOURS ACTS, 1892 TO 1895.

SEATS FOR SHOP ASSISTANTS ACT, 1899.

Number of Shops on the Register and number of Young Persons and Females employed therein.

Number of Shops in which young persons are employed	1919
Number of young persons employed in the same	2759
Number of Shops in which females are employed	556
Number of females employed in the same	1257

TABLE SHEWING THE NUMBER OF ANIMALS LANDED AT THE CITADEL SITE DEPOT.

Quarter Ended	Beast.	Calves.	Sheep.	Pigs.	Total.	Total Landed Dead.				
						Beast.	Calves.	Sheep.	Pigs.	Total.
1905.										
March 31st.....	744	...	...	...	744	...	...	...	...	...
June 30th	833	...	...	...	833	...	...	...	...	...
September 30th...	791	...	...	...	791	...	...	...	...	...
December 31st ...	872	...	...	...	872	...	...	...	...	...
Total	3240	...	...	...	3240	...	...	...	...	...
Total, 1904.....	3330	...	...	...	3330	...	...	...	...	...
,, 1903.....	3551	...	783	...	4334	...	...	...	...	...
,, 1902.....	2530	...	1955	...	4485	...	...	...	...	...
,, 1901.....	8895	...	5860	...	14755	...	...	4	...	4
,, 1900.....	8801	...	...	...	8801	...	...	...	...	...
,, 1899.....	9140	...	...	...	9140	...	...	...	...	...
,, 1898.....	8259	...	1766	...	10025	...	...	1	...	1
,, 1897.....	8827	...	...	...	8827	...	...	...	...	...
,, 1896.....	6549	...	6576	...	13125	...	...	1	...	1
,, 1895.....	2631	...	1366	...	3997	...	...	3	...	3
,, 1894.....	5068	...	773	...	5841	...	...	2	...	2
,, 1893.....	2497	...	...	...	2497	1	...	...	...	1
,, 1892.....	5553	...	...	2634	8187	2	...	...	13	15
,, 1891.....	4939	5816	86	...	10835	4	13	...	...	17
,, 1890.....	5493	5922	250	1418	13083	4	3	...	...	7
,, 1889.....	3891	5204	16837	20921	46853	2	...	3	19	24
,, 1888.....	4153	5190	39512	16748	65603	No return.				

TABULATED STATEMENT shewing the Sanitary Districts, Estimated Population, and work done.

District.	District Boundaries.	Estimated Population.	Inspectors.	General Nuisances.					Drainage, &c.				Milk Shops		Infectious Diseases.					
				No. of Complaints Registered.	No. of Notices Served.	No. of Nuisances Abated.	No. of Houses, &c., Inspected.	Number of premises cleansed and lime washed.	No. of Choked Drains Defective W.C.'s, Privies and Traps remedied.	No. of Cases in which either a New W.C. or New Drainage has been provided.	No. of Supervisions of Drainage and other Works in progress.	No. of Inspections of Manure-yards, &c.	No. of Inspections.	No. not in conformity with the order.	No. of Cases Notified.	No. of Cases Investigated.	No. of Removals.	No. of Disinfections.	No. of houses supplied with Fever Pails.	Total No. Days Pails supplied.
1	S. Side River Humber, W. Side City Boundary, S. Side Hessle Road, E. Side Walker Street, S. Side Anlaby Road, Carr Lane to Monument Bridge, and W. Side Prince's and Humber Docks.	41185	Asisstant Inspector of Nuisances, J. A. Fraser. Sanitary Officer.....J. Caws.	93	310	449	1016	27	276	28	446	81	142	2	533	595	133	450	8	201
2	S. Side Anlaby Road from W. Side Walker St., N. Side Hessle Road and the City Boundary.	41996	Assistant Inspector of Nuisances. A. T. Eginton. Sanitary Officer. .....H. Monson.	125	301	553	1030	56	236	58	230	...	219	38	544	630	123	506	18	394
3	N. Side Anlaby Road, City-Boundary, S. Side Spring Bank, E. Side Prospect, King Edward and Chariot Streets.	38837	Assistant Inspectors of Nuisances, J. O. Vaughan and A. T. Eginton. Sanitary Officer .....A. Barber.	63	243	406	1452	3	228	54	351	47	161	11	245	191	138	201	2	6
4	N. Side Spring Bank, W. Side Beverley Road, N. and W. City Boundary.	24219	Assistant Inspector of Nuisances, J. O. Vaughan. Sanitary Officer.... ..J. B. Taylor.	63	220	430	831	2	221	30	264	...	137	8	191	200	51	159	...	...
5	E. Side Beverley Road. N. Side Marlbro' Terrace and Cottingham Drain, W. Side River Hull and N. City Boundary.	32671	Assistant Inspector of Nuisances, R. Scott. Sanitary Officer, A. W. Chesterfield.	54	520	670	956	48	389	47	314	37	145	8	272	352	127	267	5	150
6	S. Side Marlbro Ter. and Cottingham Drain, W. Side River Hull, E. Side Prospect and Chariot Streets, N. Side Carr Lane and St. John St., E. Side Prince's & Humber Docks.	28565	Assistant Inspector of Nuisances, A. Rowland. Sanitary Officer.....A. Holland	99	354	537	864	57	303	54	487	33	102	...	78	97	20	63	...	...
7	E. Side River Hull, N. Side Witham and Holderness Road, E. and N. City Boundary.	29845	Assistant Inspector of Nuisances, F. Stebbings. Sanitary Officer.....F. Dixon.....	52	388	566	1035	10	281	43	526	109	191	...	280	359	84	317	12	199
8	S. Side Witham and Holderness Road, W. Side River Hull, S. River Humber, E. City Boundary.	28809	Assistant Inspector of Nuisances, R. B. Salter. Sanitary Officer.....F. Thorley.	31	378	519	1058	17	287	33	464	91	250	12	317	349	58	311	6	135
	City Total	258127		580	2714	4130	8242	220	2221	347	3082	398	1347	79	2460	2773	734	2274	51	1085

SANITARY DEPARTMENT.

Expenditure for the year, from April 1st, 1905, to March 31st, 1906.

	£	s	d
Nightsoil Collection	7513	16	10
Refuse Collection	5281	12	1
New Carts and Repairs to Carts	1100	18	10
Miscellaneous "Departmental"	3071	1	2
Disinfectants	167	7	5
Special Sanitary Work	478	5	1
Printing and Stationery	242	10	11
Disinfecting Station	1401	6	5
Mortuary	125	0	4
Notification of Infectious Diseases (Act) ..	309	5	6
Sanatorium	7111	12	0
Evan Fraser Hospital	1581	13	11
Unhealthy Dwellings	320	12	2
Destructor, East	652	13	9
	£29357	16	5

Plan of
THE
CITY OF KINGSTON-UPON-HULL,
1905.
NOTE.
Represents deaths from Diarrhœa (339).
Represents deaths from Whooping Cough (121).
Represents deaths from Diphtheria (72)
Represents deaths from Scarlatina (26).
Represents deaths from Typhoid Fever (22).
Represents deaths from Measles (22).
Represents deaths from Small Pox (3).
City Boundary
Ward Boundaries
Proposed Improvements—Foreshore Streets, Piers, Docks and Railways
PARISH OF COTTINGHAM
PARISH OF SUTTON
PARISH OF BILTON
PARISH OF PRESTON
HESSLE
RIVER HUMBER
NEWLAND PARK
HULL WATERWORKS
PEARSON PARK
EAST PARK
CEMETERY
WEST PARK
HULL CRICKET GROUND
PARAGON STATION
QUEEN'S DOCK
VICTOR DOCK
TIMBER POND
ALEXANDRA DOCK
MARFLEET
GAOL
CREMATORIUM
SANATORIUM
SITE OF EXTENSION OF DOCKS
ALBERT DOCK
WILLIAM WRIGHT DOCK
ANDREWS DOCK
NORTH EASTERN RAILWAY HULL & WITHERNSEA BRANCH
HOLDERNESS DRAIN
SCALE 6 Inches to One Mile
1 MILE